

# TUBE SYSTEM

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**Note:** Throughout the Catalog, Tube System components and accessories that are designated -XXX (unless noted otherwise) are available in:  
-006 Textured Silver

**Tube System** is the newest of the Skyline Exhibits systems. It is one of the prime components of the "Island" concept that will allow designers to mix different product lines into one display. It offers a completely new look that is unmatched anywhere in the industry. Its versatility, ease of setup, and cost effectiveness are its prime appeal. Curves and straights, multiple angle connectors, and the ability to handle any light system offered by Skyline attribute to its appeal to the designer. Modern Designs are becoming more open (less solid walls), and there is a move towards more use of fabric graphics and specialty lighting. Skyline Exhibits realizes that display structures have one reason to exist: to support graphics and this is where the Tube System really shines. Its open design is the perfect platform to display graphics of almost any medium or design. Although not as structurally strong as SkyTruss, Tube System offers even more design and graphic versatility and less of an "industrial" look. With its multiple angle connectors and adjustable corners, almost any geometric shape can be constructed. With the use of the highly versatile tube collar, accessories like counters and monitors can be mounted almost anywhere needed. Since only two different size Allen wrenches are required for assembly the Tube System is also very simple to setup.

**The Tube System Tube** is constructed of a three-inch diameter steel tube with welded connector flanges in each end. The tubes are either straight in a variety of lengths or curved with three different radii. The connector flanges are one of the most unique features of the Tube System. The flanges are designed so that where two tubes meet, indexing pins and connecting pins will align and secure the tubes. The connecting pin has a special feature that will pull the two tubes together when the setscrew is tightened. The indexing pins prevent the tubes from twisting when assembled, offering a more stable connection. Special Wire Management Tubes allow electrical cords to be hidden inside a vertical tube to provide a cleaner look. There are also a series of straight and curved tubes that include welded end plates on each end in place of the connector flanges. These end plates are intended to connect directly to 5.75" x 5.75" SkyTruss Cubes. They have the advantage over standard tubes using the add-on end plates in that they don't add the 3/16" thickness of the end plate to the overall length of the tube. This can be important when planning an exhibit design.

**Tube System Hubs, Top Caps and Foot Assemblies** offer a connecting point for two or more tubes and are available in a variety of configurations. Tube System hub assemblies include the 1, 2, 3, 4, 90°, 120°, and 135° configurations. The hubs have matching Top Caps and Foot Assemblies to complete the display. The removable hub also allows for later reconfigurations.

**The Two Tube System Corners** consist of (1) a standard fixed corner which simply connects two tubes at a 90° angle with a finished look, and (2) the Pivot Link Assembly which can be used in two ways: with indexing pins for a more rigid connection at 0°, 45°, or 90°, or without indexing pins for an adjustable (but less stable) connection from 0° to 120°.

**Round Base Plates** are 23" diameter 3/8" thick steel plates that will attach to the bottom of a vertical tube. They are quite heavy in order to provide a stabilizing base for that section of the unit. They also include wire management holes for electrical cords or computer wires.

**Tube System End Plates** are 3/16" flat steel plates which are designed to attach to the various SkyTruss or Inliten box sections or SkyTruss cubes. They include the connecting pin and indexing pins that will allow you to attach Tube System tubes to SkyTruss thus increasing the design options for the display.

**It is important to note** that each square or rectangular end plate will add 3/16" and the round base plates will add 3/8" to the tube length. This may be a factor when your display design requires consistent dimensions..

## ACCESSORIES

**SkyTruss Single Tube Mounted Accessories** include lights and graphic panels. Thin metal plates with tabs with SkyTruss blocks attached are inserted between two tubes during assembly. Single SkyTruss tubes are positioned and trapped between the blocks and can be used to hang lights, solid graphic panels, foam cutout letters or even Inliten style fabric banners. SkyTruss single tubes will match the inner, outer, and center radii of the Tube System tubes so accessories can be mounted above, below, or on either side of the Tube System Tube. There is even a special mounting plate for single "button" type (SkyTrak or Skyline Halogen) lights.

**Tube System Collar** is one of the most versatile components in the system. It is basically a solid, one-inch thick, two-piece ring with tapped and untapped holes positioned in various places on the face and through the thickness. These holes allow you to attach a variety of brackets onto which monitors, plasma screen, literature holders, and counters can be mounted. Because the collar can be attached at almost any place on a horizontal or vertical tube, the options for positioning your accessories are almost unlimited.

**Exhibit Crate 24 for Tube System** has been designed to protect Tube System components during shipping. Made from roto-molded polyethylene, it is very strong, yet with its large ball bearing hubbed composite wheels, it is easy to roll. The crate's lid is almost the upper half of the crate, and when raised on its pneumatic suspension strut assisted hinges, it allows easy access to all the components. The inner packing core protects the tubes and accessories from damage during shipping and helps organize the components to help in setup. The Exhibit Crate 24 can hold up to 72 Straight Tubes or up to 60 Curved Tubes with additional space for 6 short tubes and accessory boxes. It also includes floor reinforcement, pads, straps, and three packing boxes for hubs and collars. The empty crate (with packing materials) weighs in at 220 pounds and can ship up to 780 pounds of components.

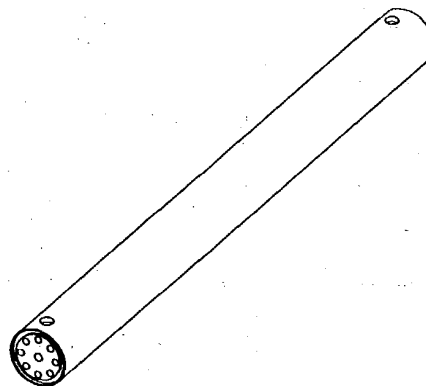
**Lighting Options** for the Tube System include almost every type of light Skyline offers. Using the SkyTruss Light Clip on the Single SkyTruss curved and straight tubes, any of the "button" type of light systems can be employed. This gives the option of using SkyTrak or Skyline Halogen lighting to enhance your display. The Tube System is also a perfect platform for the new Ribbon Lighting System and Monopoint Lights that Skyline offers. Ribbon Lights are decorative Halogen spot and pendant lights which mount to a special flexible metal ribbon or "track" that supplies power to the lights. The lights are offered with three different style glass shades in different colors as well as a silver metal shade and 3 different colored scoop shades. The Ribbon Lighting System is not only a very stylish lighting option, but because the lights can be positioned virtually anywhere on the power ribbon, almost any lighting arrangement can be produced. The Monopoint Lights are really two different types. The first is a complete very high-tech metal pendant Halogen light whose base will solidly mount to a ceiling. The second type is a fixed powered base that uses the Ribbon System lights and can be mounted on a wall or a ceiling. All these lighting alternatives give the Tube System great versatility in graphic and ambient lighting.

## TUBES

For Color Options see page 17-1

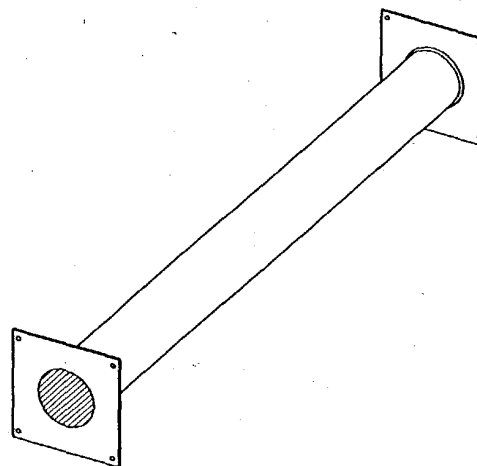
### Straight Tubes

Part No.	Length		Weight	
	in	cm	lb	kg
24090-XXX	5.75	14.61	3.10	1.41
23792-XXX	11.50	29.21	4.40	2.00
23793-XXX	23.00	58.42	6.30	2.86
23794-XXX	34.50	87.63	8.20	3.72
23795-XXX	40.25	102.24	9.20	4.17
23796-XXX	46.00	116.84	10.20	4.63
23797-XXX	92.00	233.68	17.90	8.12



### Straight Tubes with End Plates

Part No.	Length		Weight	
	in	cm	lb	kg
23798-XXX	11.50	29.21	4.60	2.09
23799-XXX	23.00	58.42	6.60	2.99
23800-XXX	34.50	87.63	8.50	3.86
23801-XXX	40.25	102.24	9.50	4.31
23802-XXX	46.00	116.84	10.40	4.72
23803-XXX	92.00	233.68	18.10	8.21



## Straight Tubes with Wire Management

Can only be used vertically.

Wire Management Tubes allow electrical cords to be hidden inside a vertical tube to provide a cleaner look.

Part No.	Length		Weight		# of Holes
	in	cm	lb	kg	
24596-XXX	23.00	58.42	5.85	2.65	2
24597-XXX	34.50	87.63	7.78	3.53	2
24598-XXX	46.00	116.84	9.71	4.40	2
24622-XXX	92.00	233.68	17.43	7.91	2
24089-XXX	92.00	233.68	17.90	8.12	4



24596-XXX



24597-XXX



24598-XXX



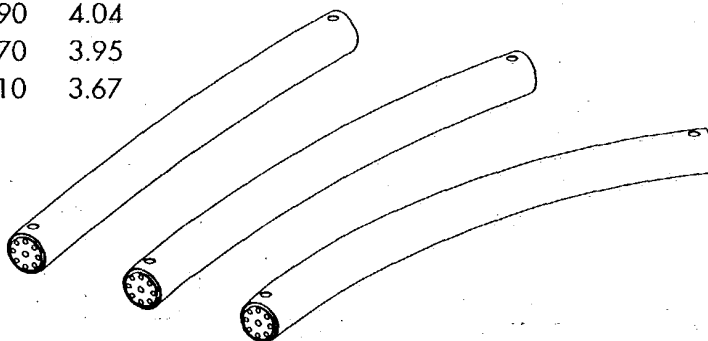
24622-XXX



24089-XXX

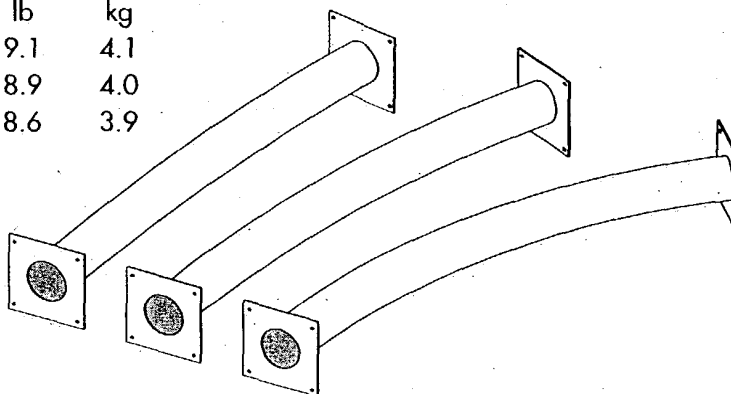
## Curved Tubes

Part Number	Arc	Radius	Weight	
			lb	kg
23811-XXX	45°	48.875"	8.90	4.04
23812-XXX	22.5°	94.875"	8.70	3.95
23924-XXX	11.25°	186.875"	8.10	3.67



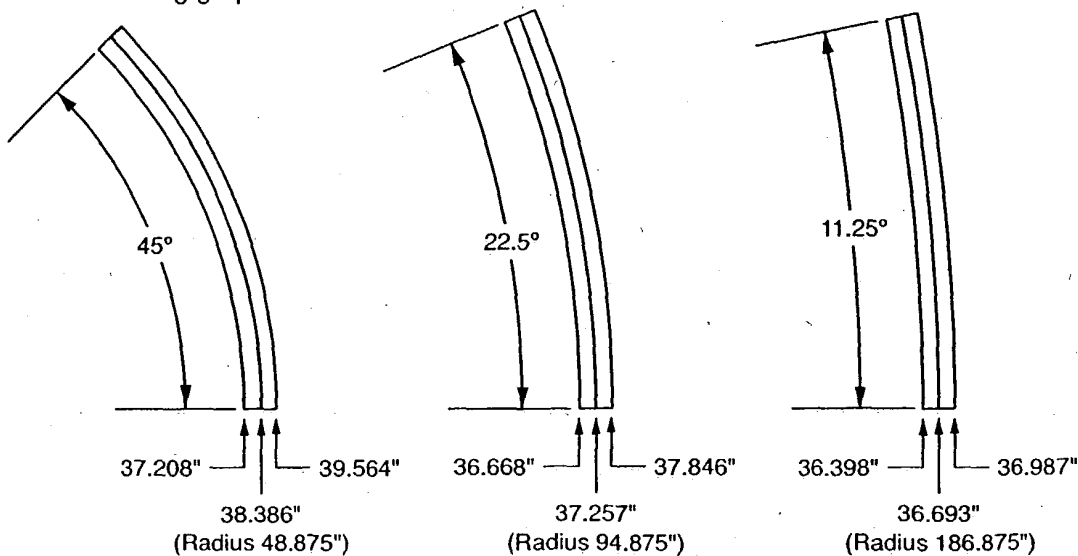
## Curved Tubes with End Plates

Part Number	Arc	Radius	Weight	
			lb	kg
23813-XXX	45°	48.875"	9.1	4.1
23814-XXX	22.5°	94.875"	8.9	4.0
23925-XXX	11.25°	186.875"	8.6	3.9

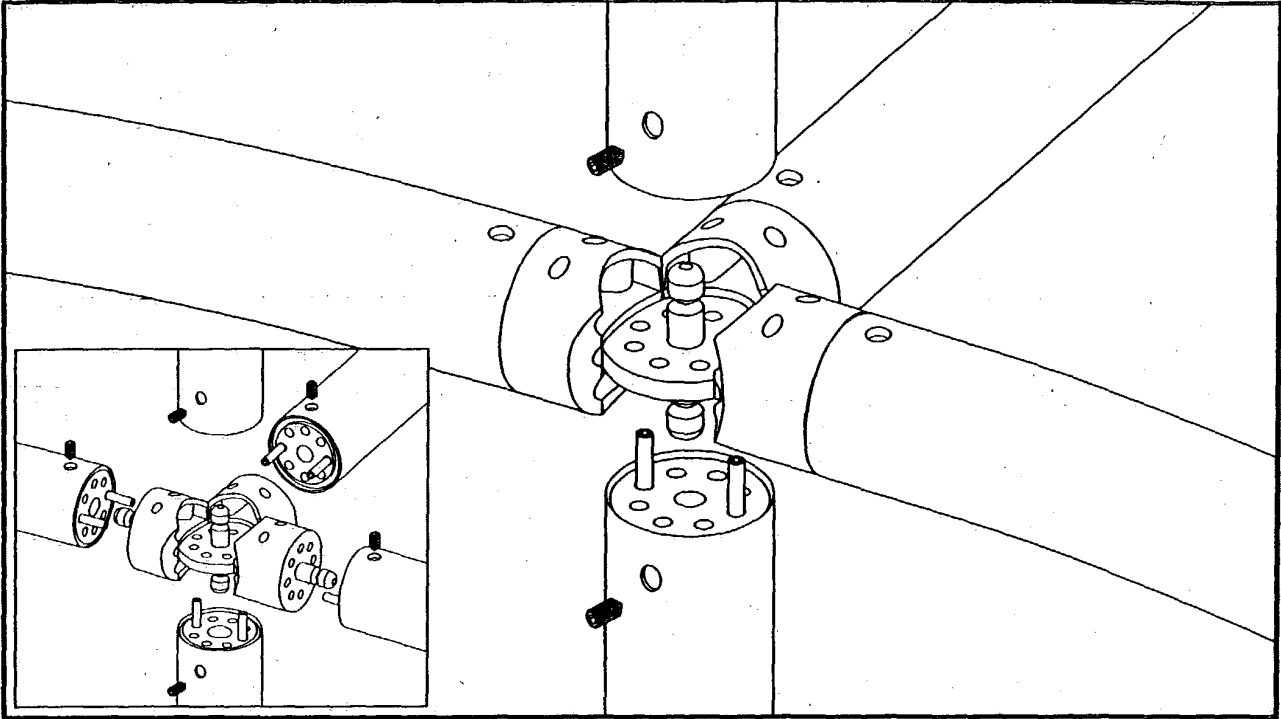


## Arc Lengths for Curved Tubes

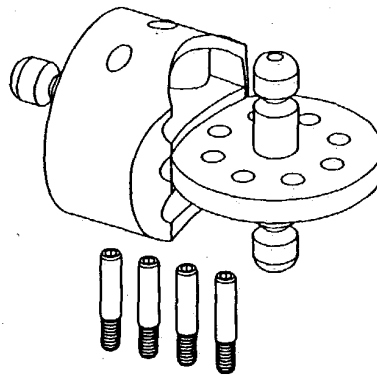
These are the lengths of the Arcs for Inner, Centerline, and Outside arcs for the curved tubes. Use these dimensions when calculating graphics for curved tubes.



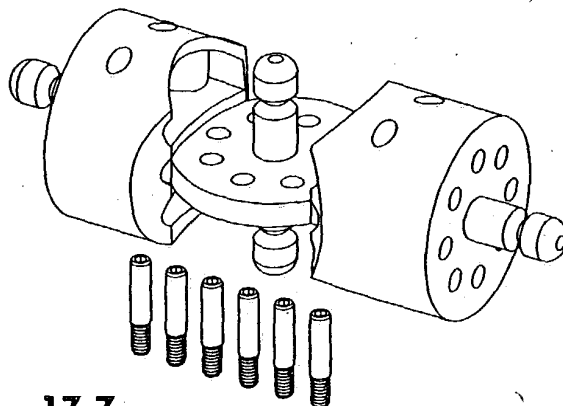
## HUBS



23775-001 Hub Assembly with 1 Connector  
Wt: 3.30 lbs 1.50



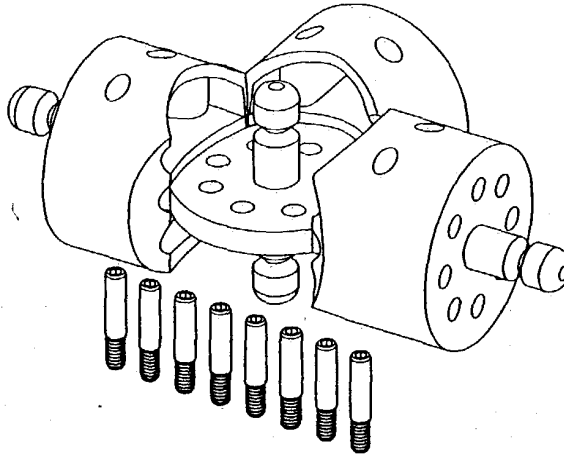
23776-001 Hub Assembly with 2 Connectors - 180 degrees  
Wt: 5.80 lbs 2.63 kg



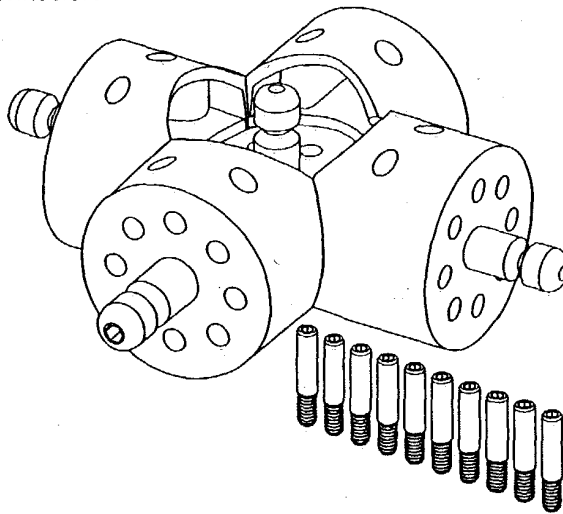
# TUBE SYSTEM

## COMPONENTS

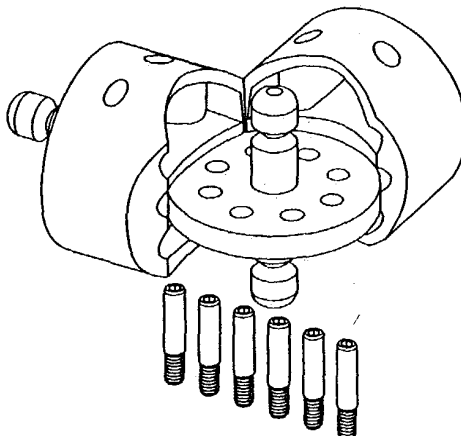
23777-001 Hub Assembly with 3 Connectors - 90 degrees  
Wt: 8.20 lbs 3.72 kg



23778-001 Hub Assembly with 4 Connectors  
Wt: 10.70 lbs 4.85 kg



23779-001 Hub Assembly with 2 Connector - 90 degrees  
Wt: 5.80 lbs 2.63 kg

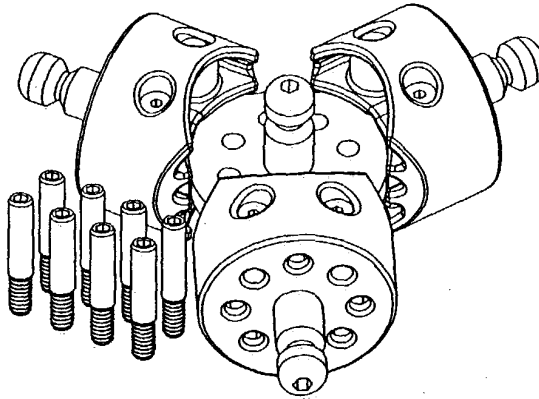




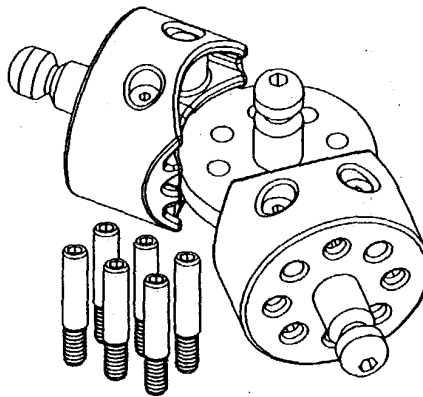
## TUBE SYSTEM

## COMPONENTS

24476-001 Hub Assembly with 3 Connectors - 120 degrees  
Wt: 8.20 lbs 3.72 kg



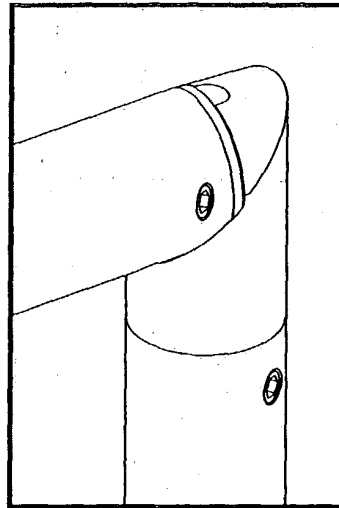
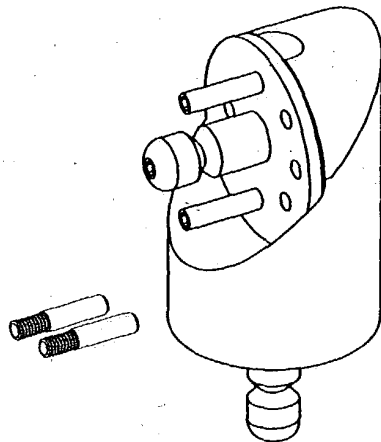
24477-001 Hub Assembly with 2 Connectors - 135 degrees  
Wt: 5.80 lbs 2.63 kg



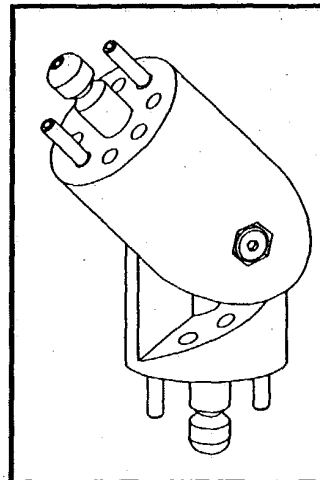
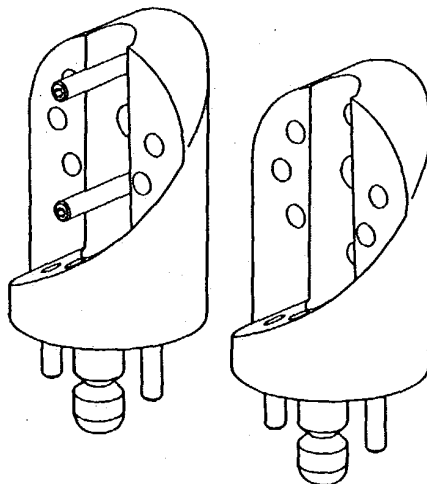
## CORNERS

For Color Options see page 17-1

24129-XXX 90 degree Corner Link Assembly  
Wt: 2.80 lbs 1.27 kg



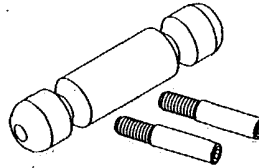
24130-XXX Pivot Link Corner Assembly  
Using indexing pins, the Pivot Link Assembly can be fixed at angles of 0°, 45°, and 90°. Without indexing pins, the assembly can be adjusted between 0° and 120°, but is not as rigid.  
Wt: 5.60 lbs 2.54 kg



## CONNECTORS

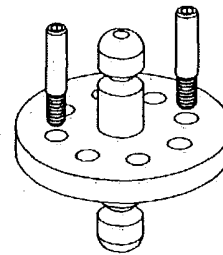
### 24131 Connector Pin Kit Package

Includes:	Qty.	Part No.	Description
	1	23599	Connector Pin
	2	23620	Indexing Pins
Wt: 0.60 lbs 0.27 kg			



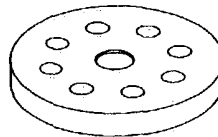
### 24132-001 Connector Pin Kit with 3/8 inch Spacer

Includes:	Qty.	Part No.	Description
	1	24079-001	3/8" Spacer Plate
	1	23600	1/2 inch Male Connector Pin
	1	23621	Female Connector Pin
	2	23620	Indexing Pins
Wt: 1.30 lbs 0.59 kg			



### 24079-001 3/8 inch Spacer Plate

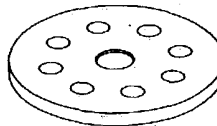
Wt: 0.66 lbs 0.30 kg



### 24080-XXX 3/16 inch Spacer Plate

Available in: -004 Custom  
-006 Textured Silver

Wt: 0.33 lbs 0.15 kg



### 23621 1/2 inch Female Connector Pin

Wt: 0.14 lbs 0.06 kg

### 23600 1/2 inch Male Connector Pin

Wt: 0.21 lbs 0.10 kg

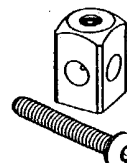


### 19643 Threaded Connector for Tube End Plate Assembly for SkyTruss/Inliten

Wt: 0.09 lbs 0.04 kg

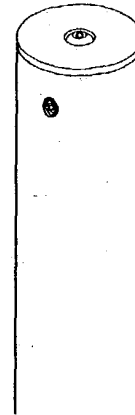
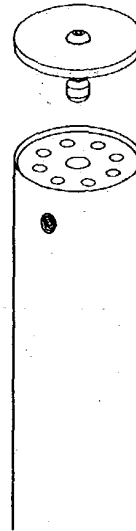
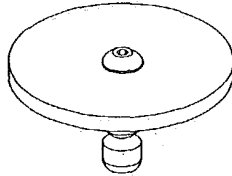
### 20270 1/4 - 20 x 1.25 Button Head Screw for Tube End Plate Assembly for SkyTruss/Inliten

Wt: 0.01 lbs 0.01 kg

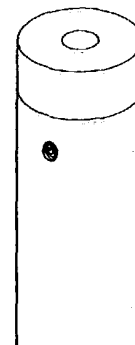
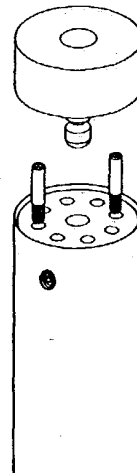
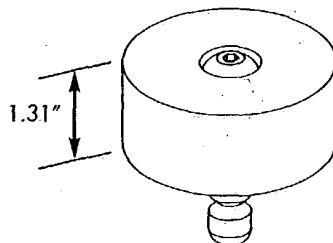


## TUBE FINISHING

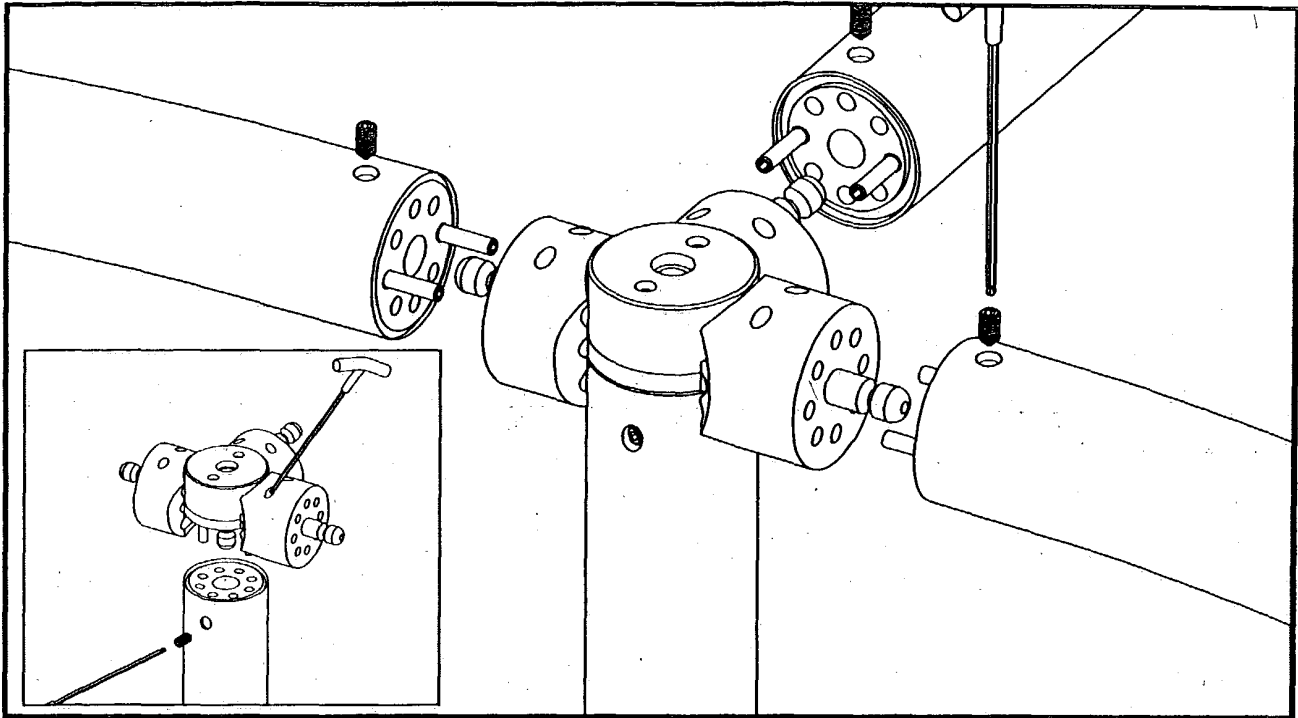
23790-XXX .188 inch Top Cap Assembly  
Available in: -004 Custom  
                  -006 Textured Silver  
Wt: 0.20 lbs 0.09 kg



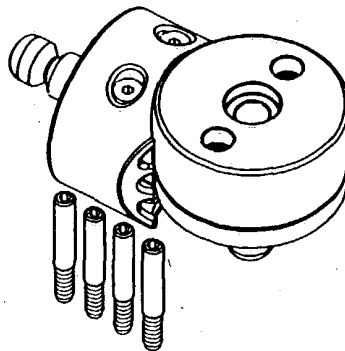
23840-001 1.31 inch Top Cap Assembly  
Wt: 0.70 lbs 0.32 kg



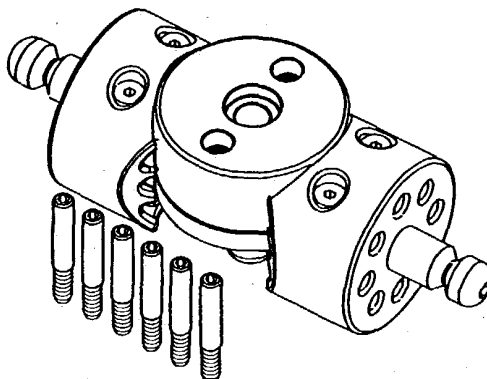
## TOP CAPS



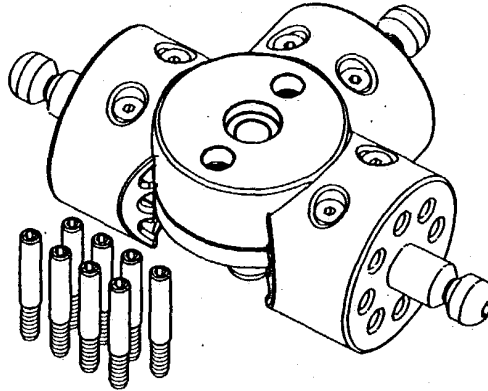
24124-001 Top Cap Assembly with 1 Connector  
Wt: 3.90 lbs 1.77 kg



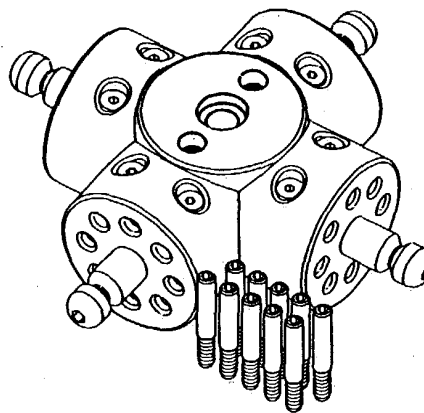
24125-001 Top Cap Assembly with 2 Connectors - 180 degrees  
Wt: 6.20 lbs 2.81 kg



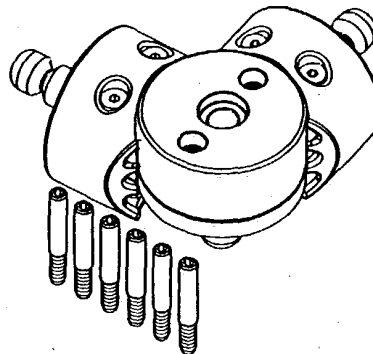
24127-001 Top Cap Assembly with 3 Connectors - 90 degrees  
Wt: 8.40 lbs 3.81 kg



24128-001 Top Cap Assembly with 4 Connectors  
Wt: 10.60 lbs 4.81 kg



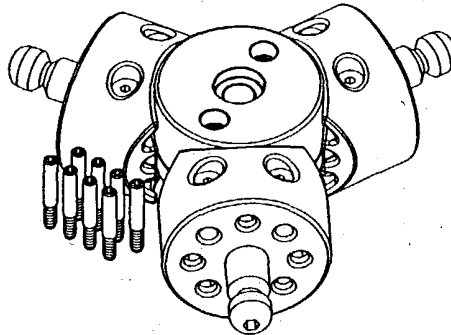
24126-001 Top Cap Assembly with 2 Connectors - 90 degrees  
Wt: 6.20 lbs 2.81 kg



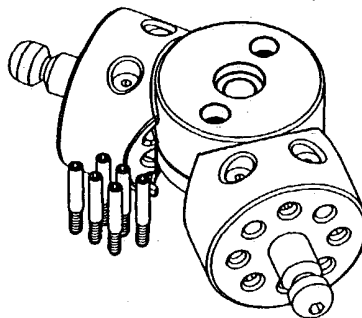
# **TUBE SYSTEM**

## **COMPONENTS**

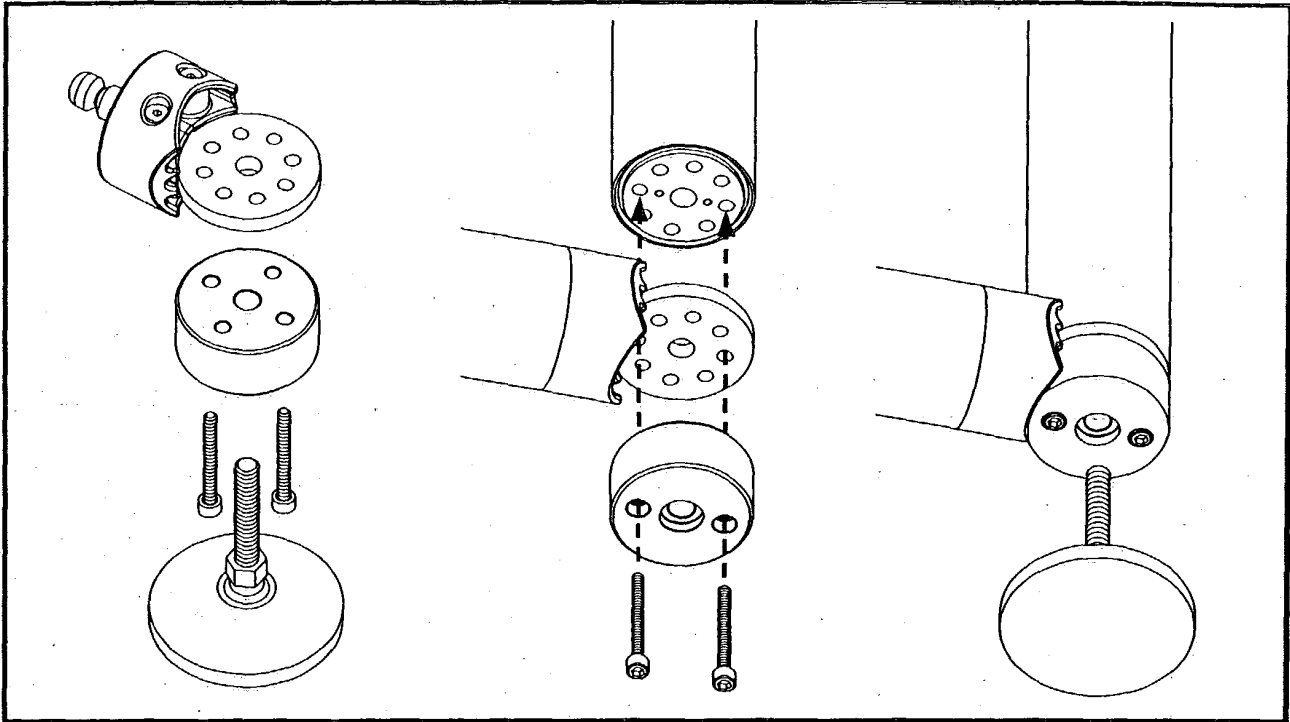
24488-001 Top Cap Assembly with 3 Connectors - 120 degrees  
Wt: 8.40 lbs 3.81 kg



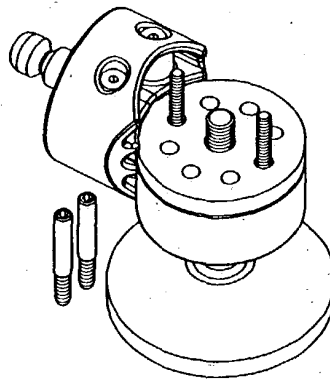
24489-001 Top Cap Assembly with 2 Connectors - 135 degrees  
Wt: 6.20 lbs 2.81 kg



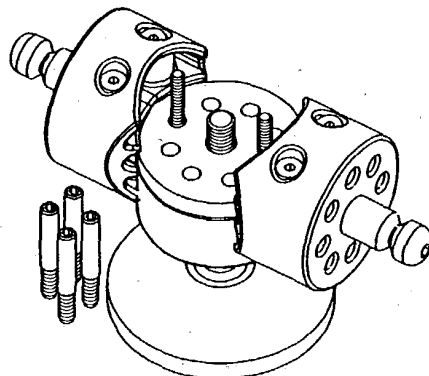
## FOOT PACKAGES



24119-001 Foot Assembly with 1 connector  
Wt: 3.90 lbs 1.77 kg

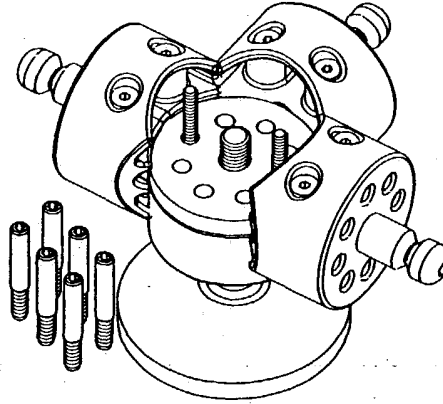


24120-001 Foot Assembly with 2 Hub Connectors - 180 degrees  
Wt: 6.20 lbs 2.81 kg

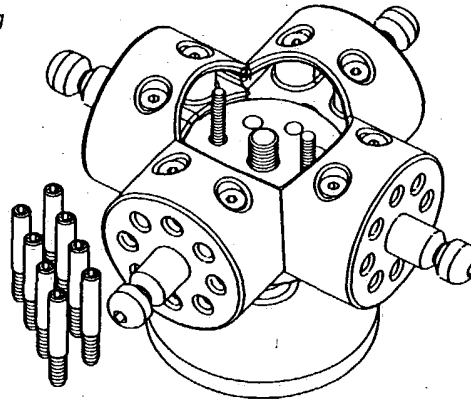




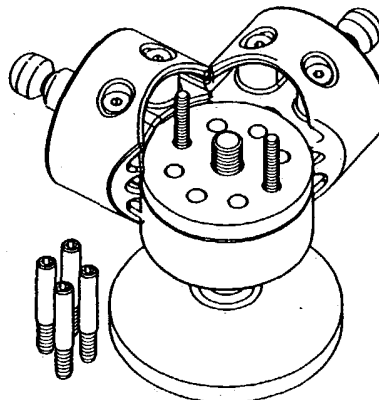
- 24122-001 Foot Assembly with 3 Hub Connectors - 90 degrees  
Wt: 8.40 lbs 3.81 kg



- 24123-001 Foot Assembly with 4 Hub Connectors  
Wt: 10.60 lbs 4.81 kg



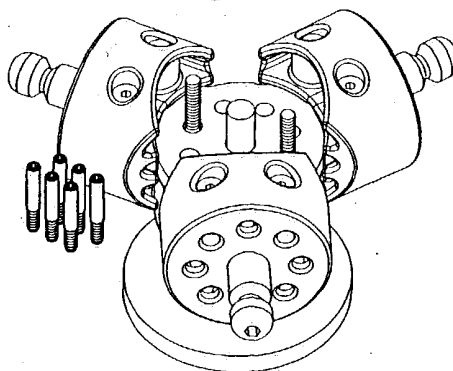
- 24121-001 Foot Assembly with 2 Hub Connectors - 90 degrees  
Wt: 6.20 lbs 2.81 kg



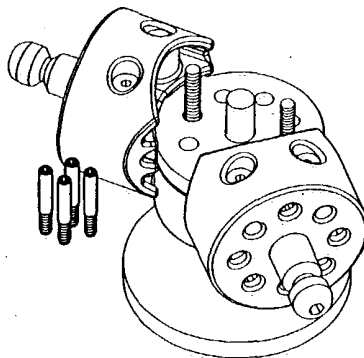
## TUBE SYSTEM

## COMPONENTS

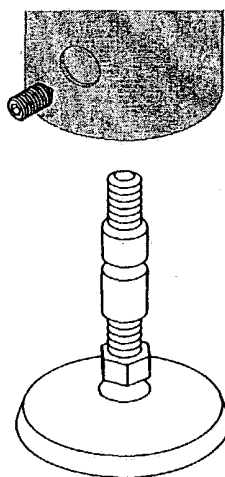
24486-001 Foot Assembly with 3 Hub Connectors - 120 degrees  
Wt: 8.40 lbs 3.81 kg



24487-001 Foot Assembly with 2 Hub Connectors - 135 degrees  
Wt: 6.20 lbs 2.81 kg



23788 Tube Foot Package  
Wt: 0.20 lbs 0.09 kg

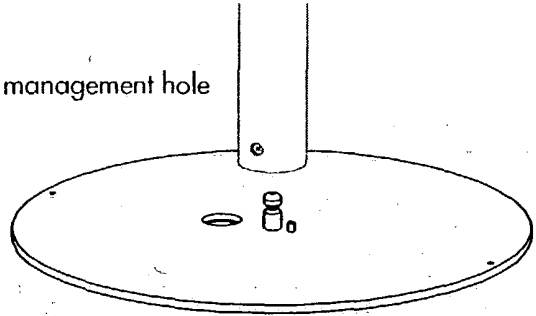


## ROUND BASE PLATES

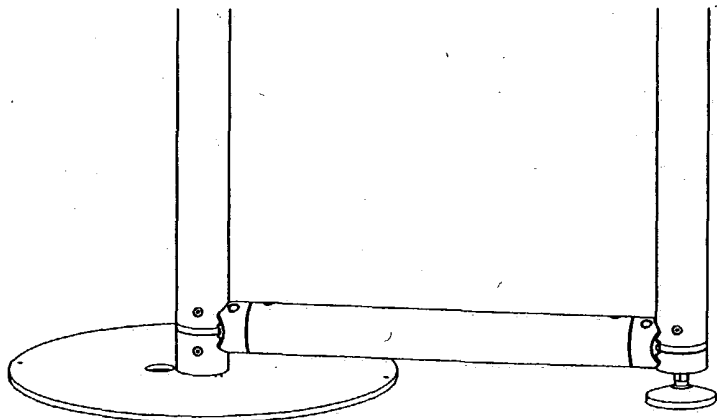
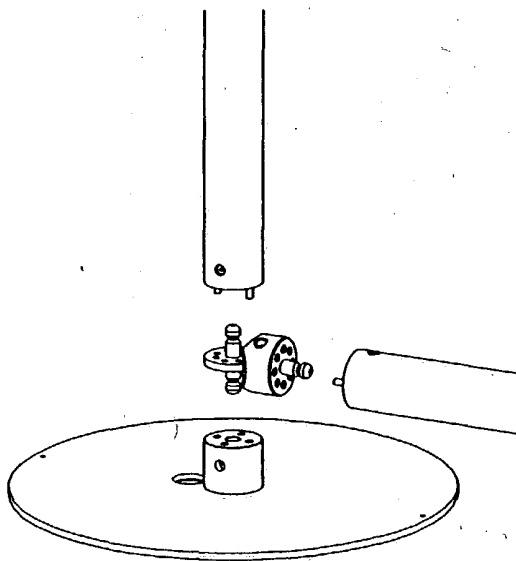
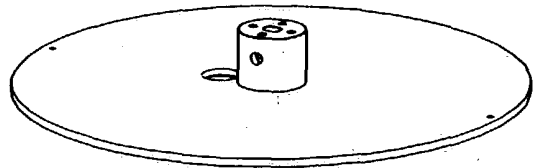
It is important to note that the round base plates will add 3/8" to the tube length.

For Color Options see page 17-1

23995-XXX 3/8 x 23 inch diameter Base Plate Kit with wire management hole  
Wt: 48.00 lbs 21.77 kg



24613-004 3/8 x 23 inch diameter Base Plate Kit with Spacer with wire management hole  
Spacer provides floor clearance for banners or accessories at the same level as the foot assemblies  
Wt: 53.00 lbs 24.04 kg



## END PLATES

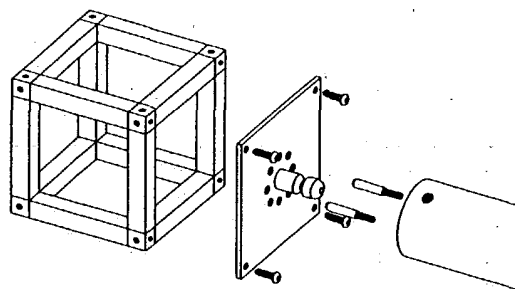
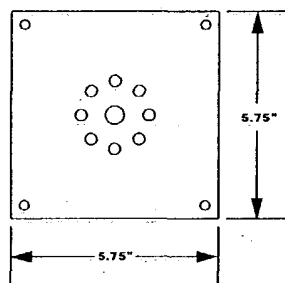
It is important to note that each square or rectangular base plate will add 3/16" to the tube length.

For Color Options see page 17-1

### 24133-XXX 5.75 inch Tube-to-Cube Plate Kit

**Note:** The four 20650 screws are included to enable the plate to be attached to a 5.75" SkyTruss Cube.

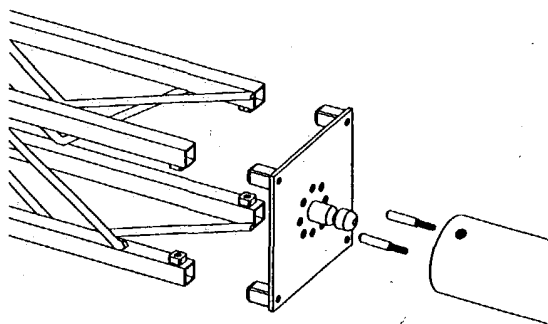
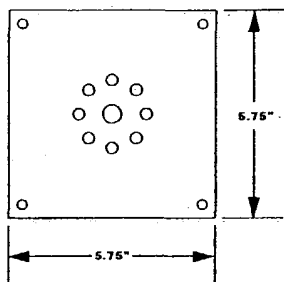
Wt: 2.10 lbs 0.95 kg



### 24358-004 5.75 inch Tube-to-Inliten/SkyTruss Plate Kit

**Note:** This assembly will attach a tube directly to a 5.75" SkyTruss Box or Inliten section. See page 17-11 for replacement blocks and screws

Wt: 2.10 lbs 0.95 kg



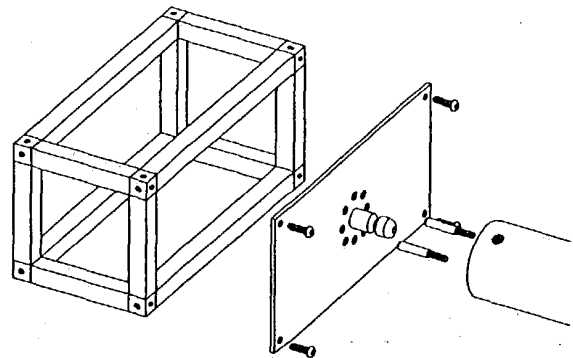
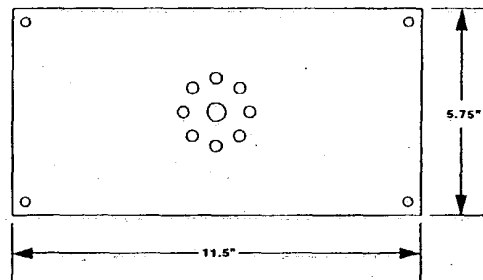
## TUBE SYSTEM

## COMPONENTS

### 24575-XXX 11.5 x 5.75 inch Tube-to-Cube Plate Kit

**Note:** The four 20650 screws are included to enable the plate to be attached to a 11.5" x 5.75" SkyTruss Cube.

Wt: 5.10 lbs 2.31 kg

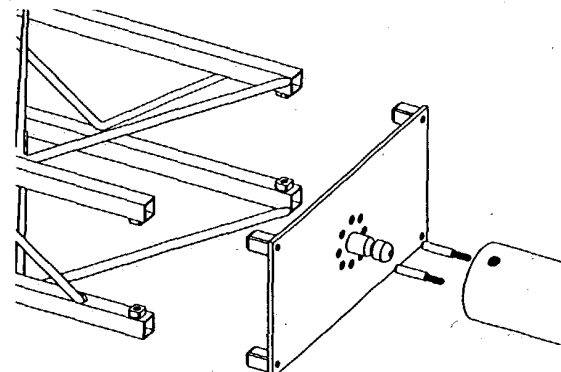
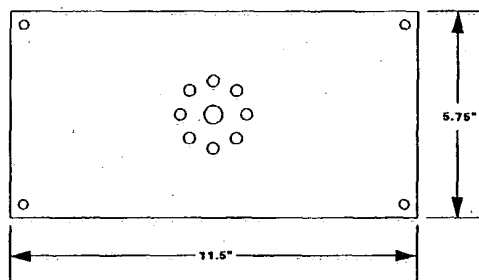


### 24574-XXX 11.5 x 5.75 inch Tube-to-SkyTruss Plate Kit

**Note:** This assembly will attach a tube directly to a 11.5" x 5.75" SkyTruss Box section.

See page 17-11 for replacement blocks and screws

Wt: 5.10 lbs 2.31 kg



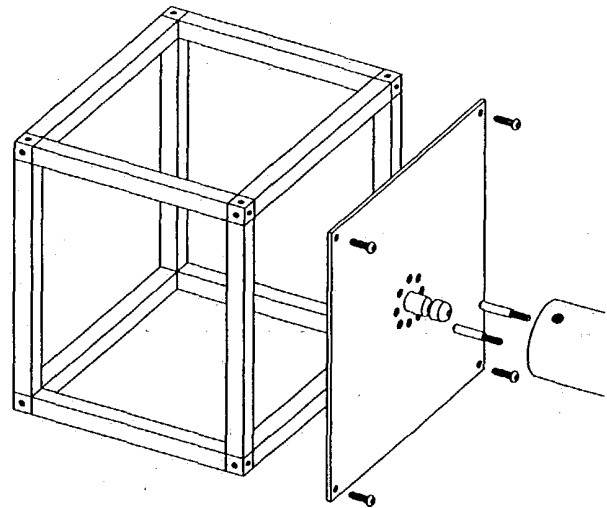
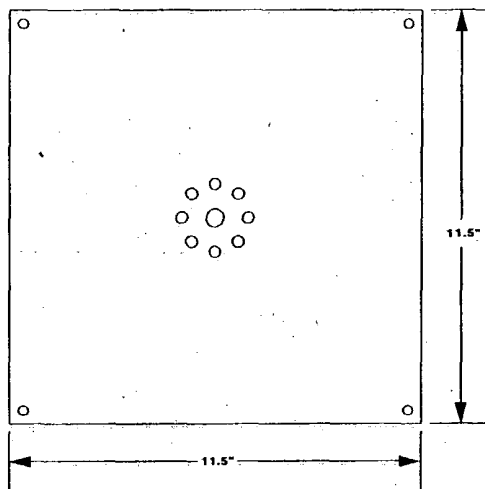
# TUBE SYSTEM

## COMPONENTS

24526-XXX 11.5 inch Tube-to-Cube Plate Kit

**Note:** The four 20650 screws are included to enable the plate to be attached to a 5.75" SkyTruss Cube.

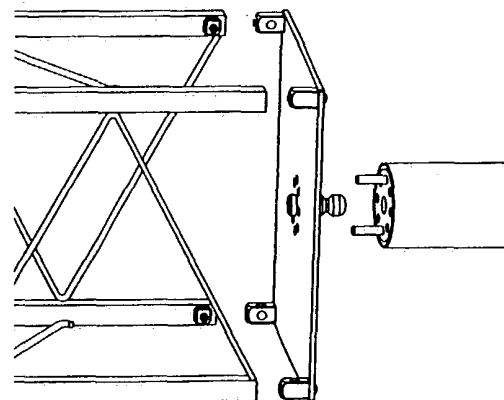
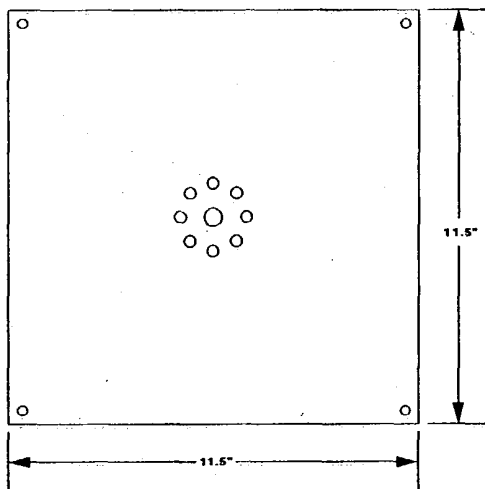
Wt: 8.50 lbs . 3.86 kg



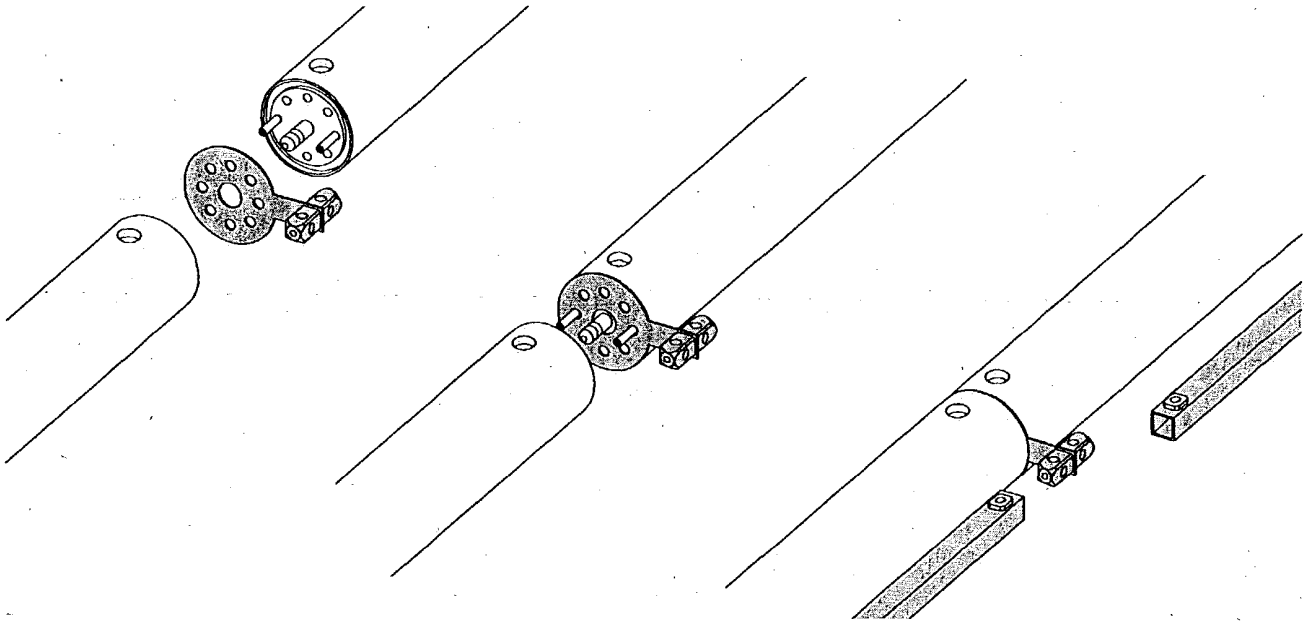
24520-XXX 11.5 inch Tube-to-SkyTruss Plate Kit

See page 17-11 for replacement blocks and screws

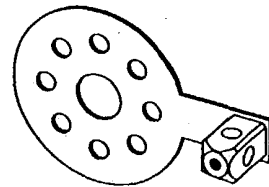
Wt: 8.50 lbs . 3.86 kg



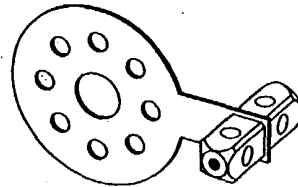
## ACCESSORY MOUNTING HARDWARE



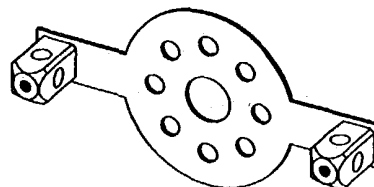
23919-001 1-way, Single-sided Bracket Assembly  
Wt: 0.23 lbs 0.10 kg



23920-001 1-way, Double-sided Bracket Assembly  
Wt: 0.33 lbs 0.15 kg



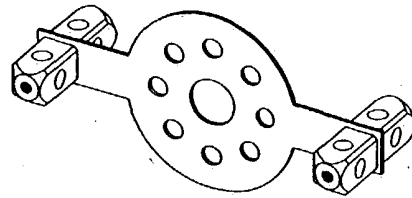
24005-001 2-way, Single-sided Bracket  
Wt: 0.35 lbs 0.16 kg



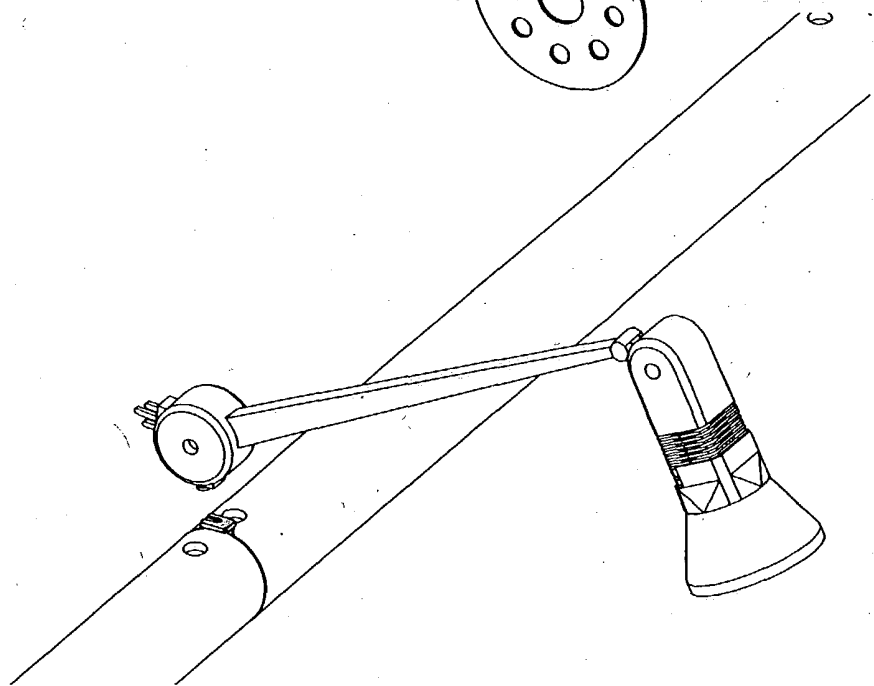
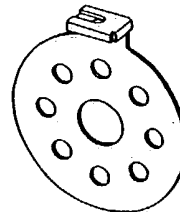
# TUBE SYSTEM

## COMPONENTS

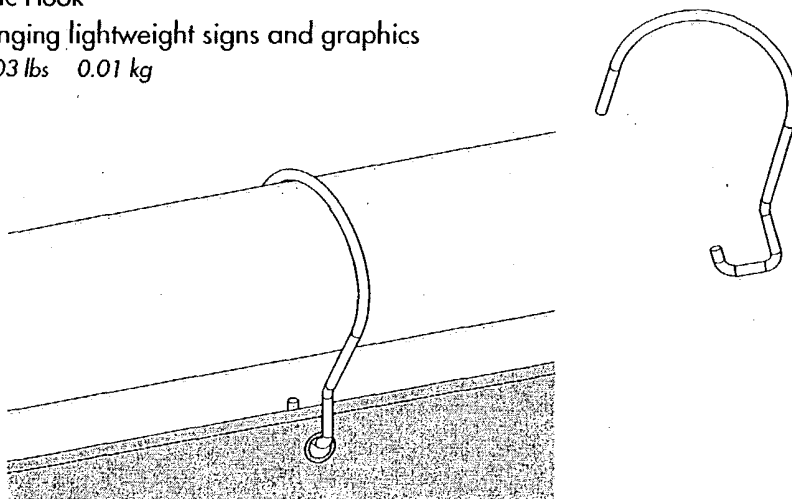
24006-001 2-way, Double-sided Bracket  
Wt: 0.56 lbs 0.25 kg



23918-001 Light Clip Bracket  
Wt: 0.14 lbs 0.06 kg

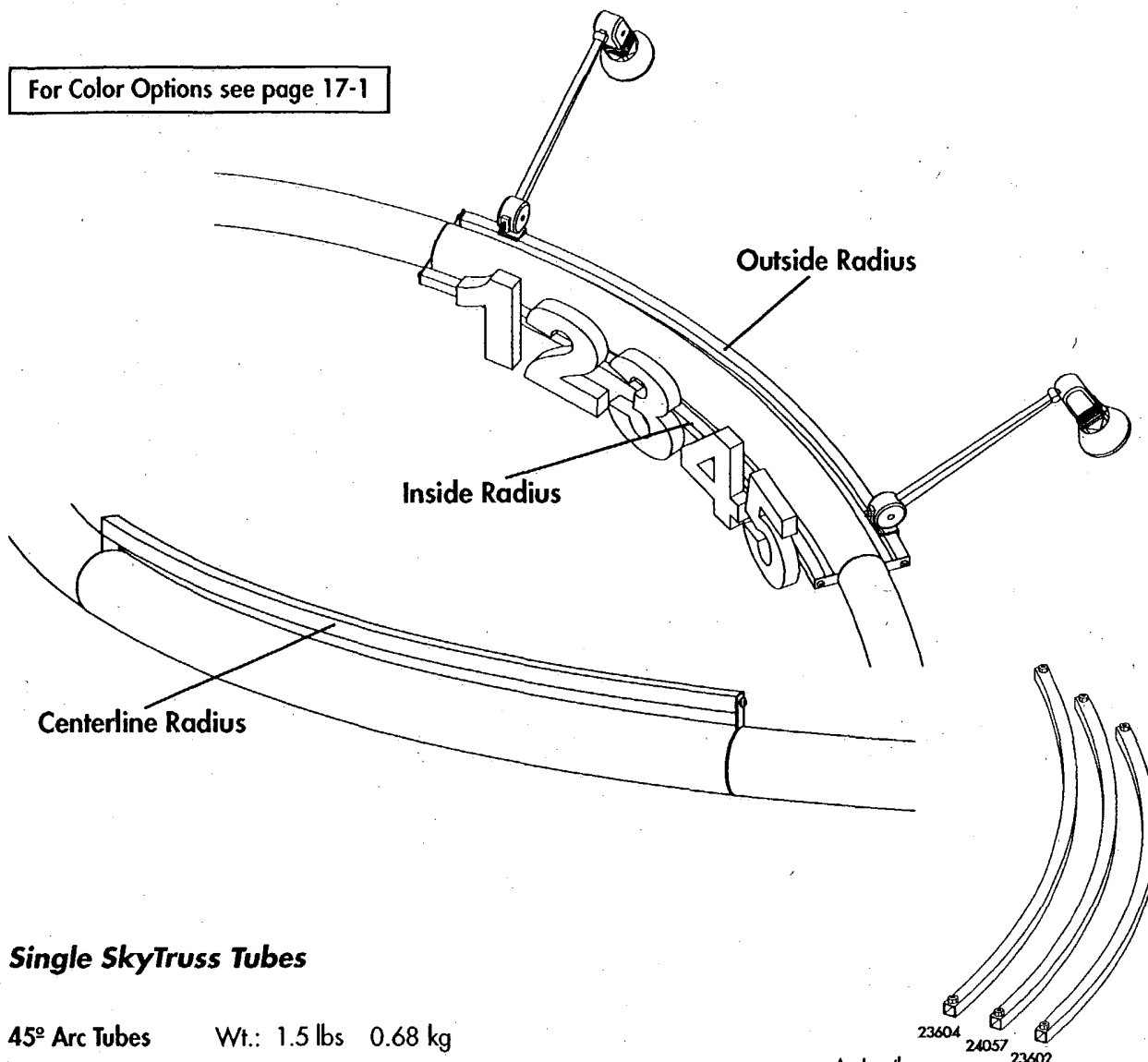


24448-001 Graphic Hook  
For hanging lightweight signs and graphics  
Wt: 0.03 lbs 0.01 kg





For Color Options see page 17-1



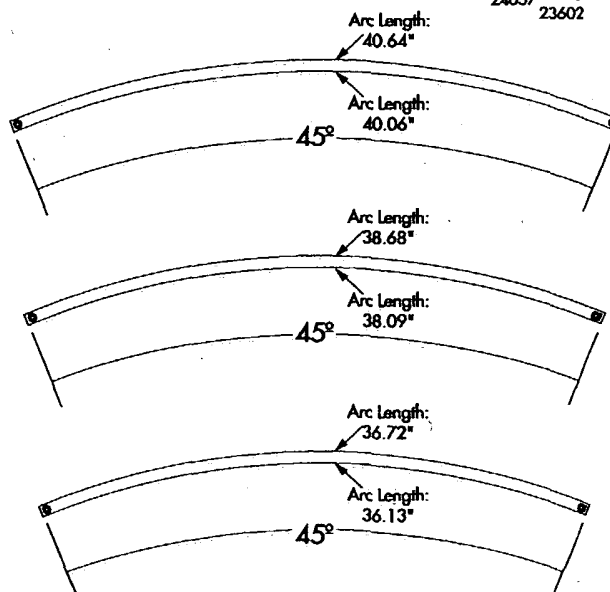
## Single SkyTruss Tubes

45° Arc Tubes      Wt.: 1.5 lbs   0.68 kg

23604-XXX SkyTruss Curved Single Tube  
51.75" Outside Radius

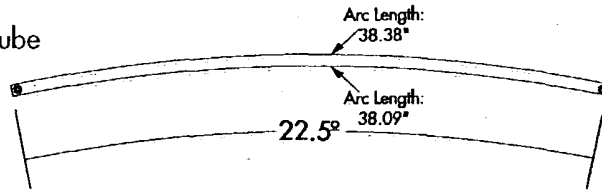
24057-XXX SkyTruss Curved Single Tube  
48.875" Centerline Radius

23602-XXX SkyTruss Curved Single Tube  
46" Inside Radius

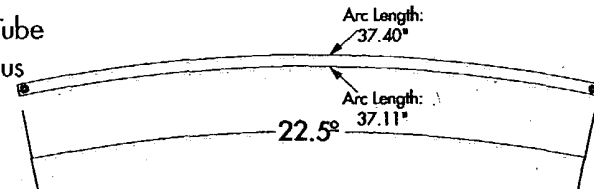


### 22.5° Arc Tubes Wt.: 1.5 lbs

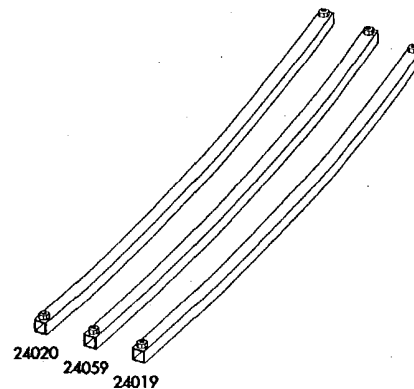
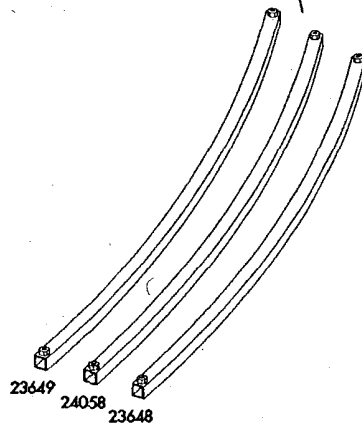
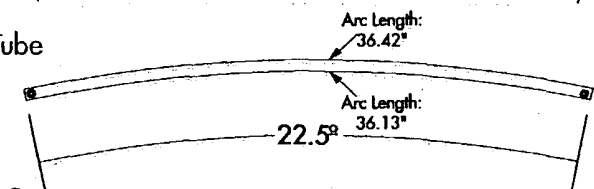
23649-XXX SkyTruss Curved Single Tube  
97.75" Outside Radius



24058-XXX SkyTruss Curved Single Tube  
94.875" Centerline Radius

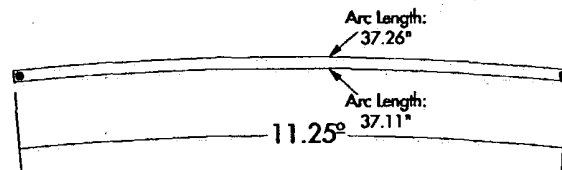


23648-XXX SkyTruss Curved Single Tube  
92" Inside Radius

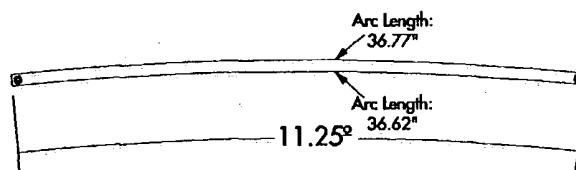


### 11.25° Arc Tubes Wt.: 1.5 lbs

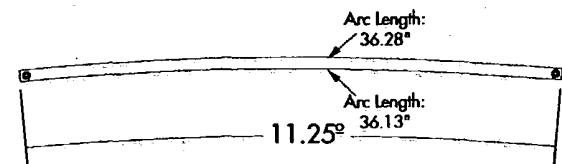
24020-XXX SkyTruss Curved Single Tube  
189.75" Outside Radius



24059-XXX SkyTruss Curved Single Tube  
186.875" Centerline Radius



24019-XXX SkyTruss Curved Single Tube  
184.00" Inside Radius



For Color Options see page 17-1

### Straight SkyTruss Single Tubes

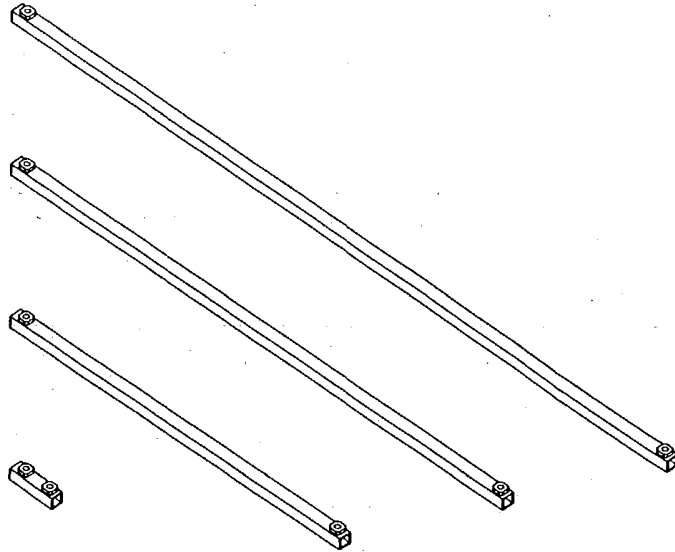
23357-XXX SkyTruss 46" Single Tube  
Wt: 1.90 lbs 0.86 kg

23358-XXX SkyTruss 34.5" Single Tube  
Wt: 1.50 lbs 0.68 kg

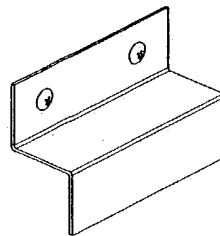
23359-XXX SkyTruss 23" Single Tube  
Wt: 0.90 lbs 0.41 kg

21700 SkyTruss 3.0" Single Tube  
Wt: 0.25 lbs 0.11 kg

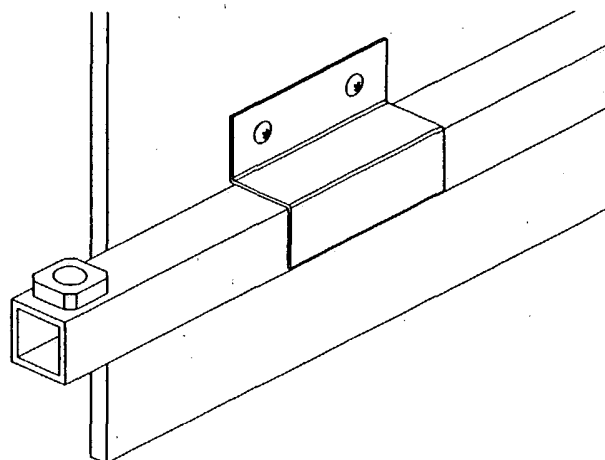
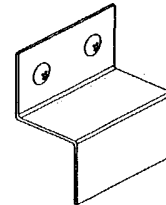
21699 SkyTruss 2.5" Single Tube  
Wt: 0.25 lbs 0.11 kg



21743-XXX SkyTruss™ Bracket for Hanging signs  
Wt: 0.10 lbs 0.05 kg



24276-XXX SkyTruss™ Bracket for small signs and foam letters  
Wt: 0.07 lbs 0.03 kg



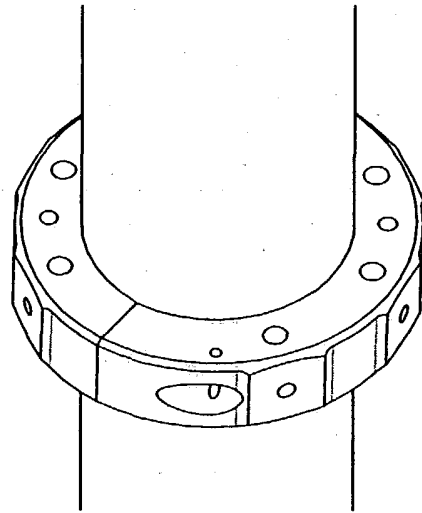
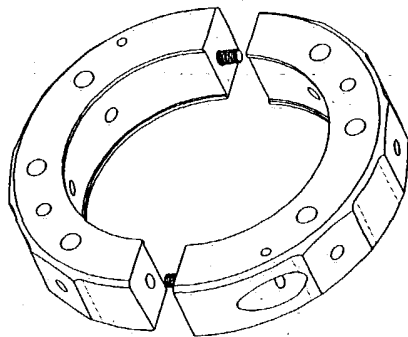
## TUBE COLLAR AND ACCESSORIES

For Color Options see page 17-1

### 24335-XXX 3 inch Collar

One of the most versatile components of the Tube System. Used as an anchor for connecting a variety of special components, the collar can be mounted at almost any point on a tube, giving you virtually unlimited customization.

Wt: 1.85 lbs 0.84 kg

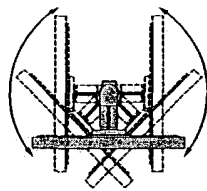


### 24015-XXX Monitor Mount Kit

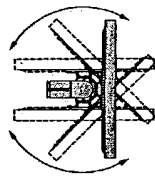
Includes Collar Bracket with mounting screws, Triple Pivot Black Monitor Mount, and screws. The Ergotron Monitor Bracket allows the monitor to be pivoted up to 180° up and down and side to side. The monitor can also be rotated 360° from the front.

Note: Kit does not include 24335 Tube System Collar

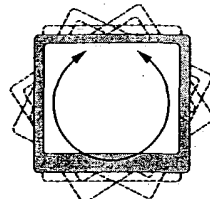
Wt: 3.00 lbs 1.36 kg



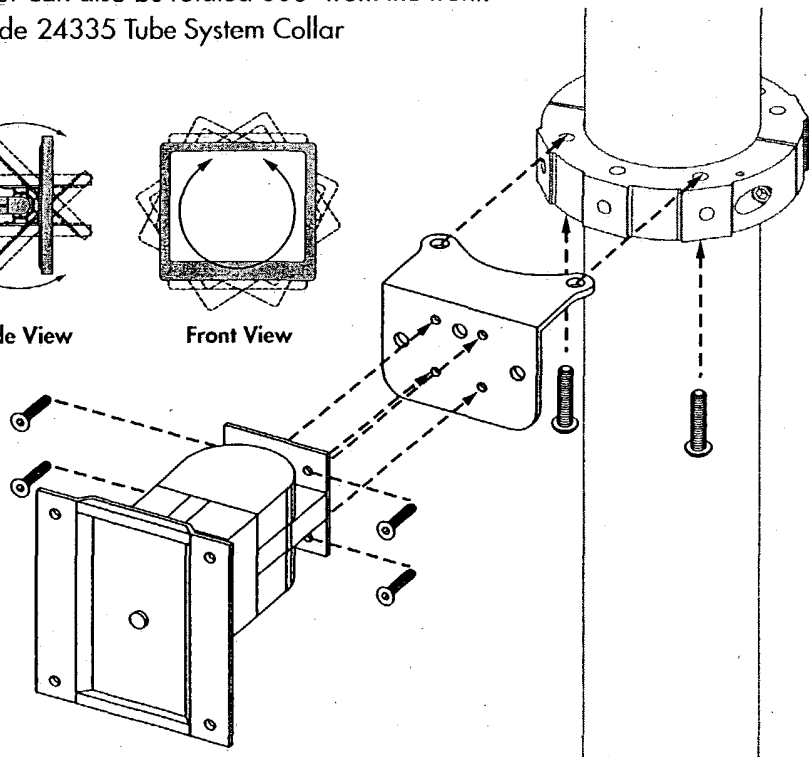
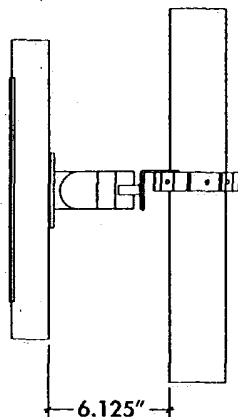
Top View



Side View



Front View



## TUBE SYSTEM

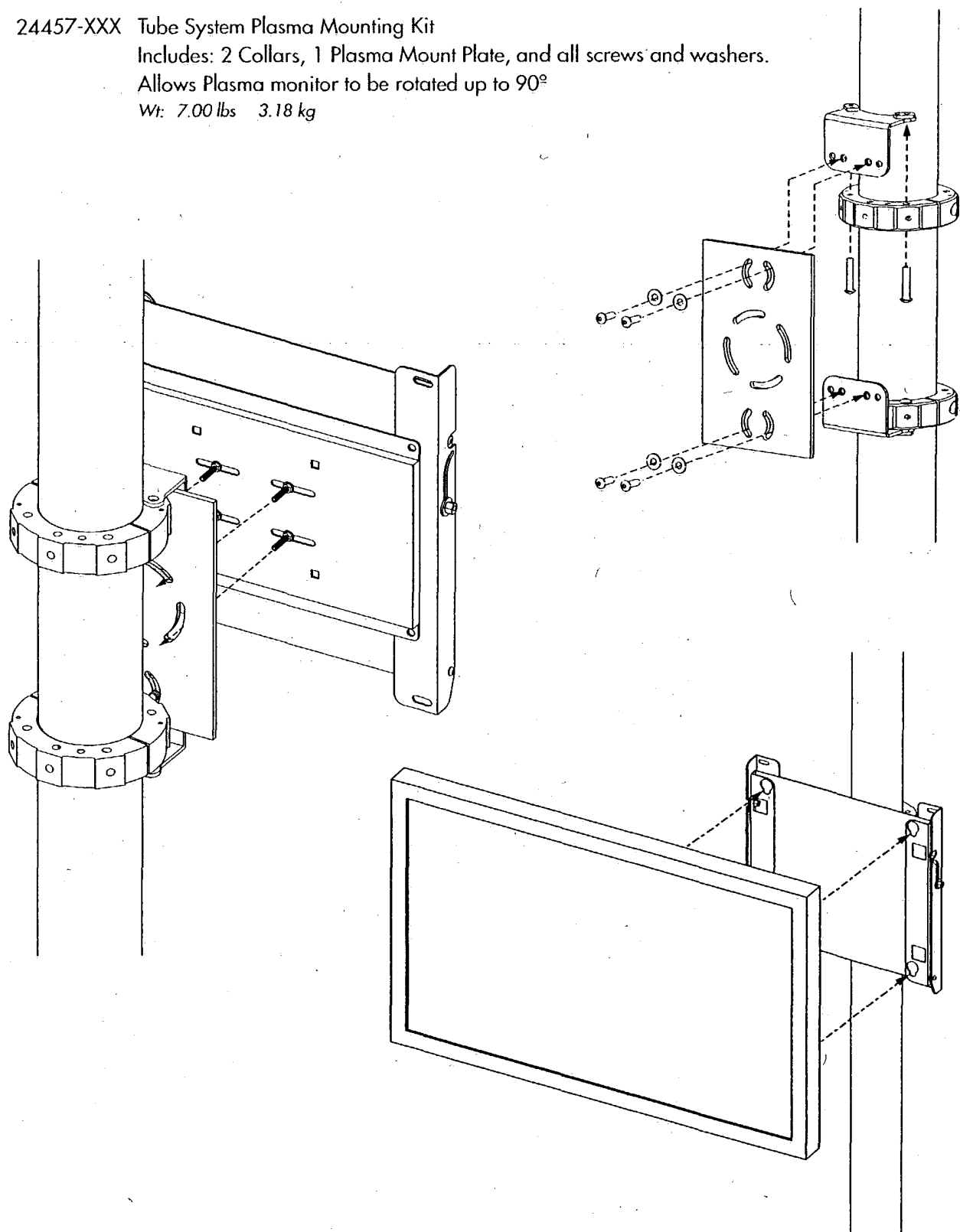
## ACCESSORIES

### 24457-XXX Tube System Plasma Mounting Kit

Includes: 2 Collars, 1 Plasma Mount Plate, and all screws and washers.

Allows Plasma monitor to be rotated up to 90°

Wt: 7.00 lbs 3.18 kg



## TUBE SYSTEM

## ACCESSORIES

### 24330-XXX Double Keyboard Counter Package

Includes two piece counter with latches and mounting screws

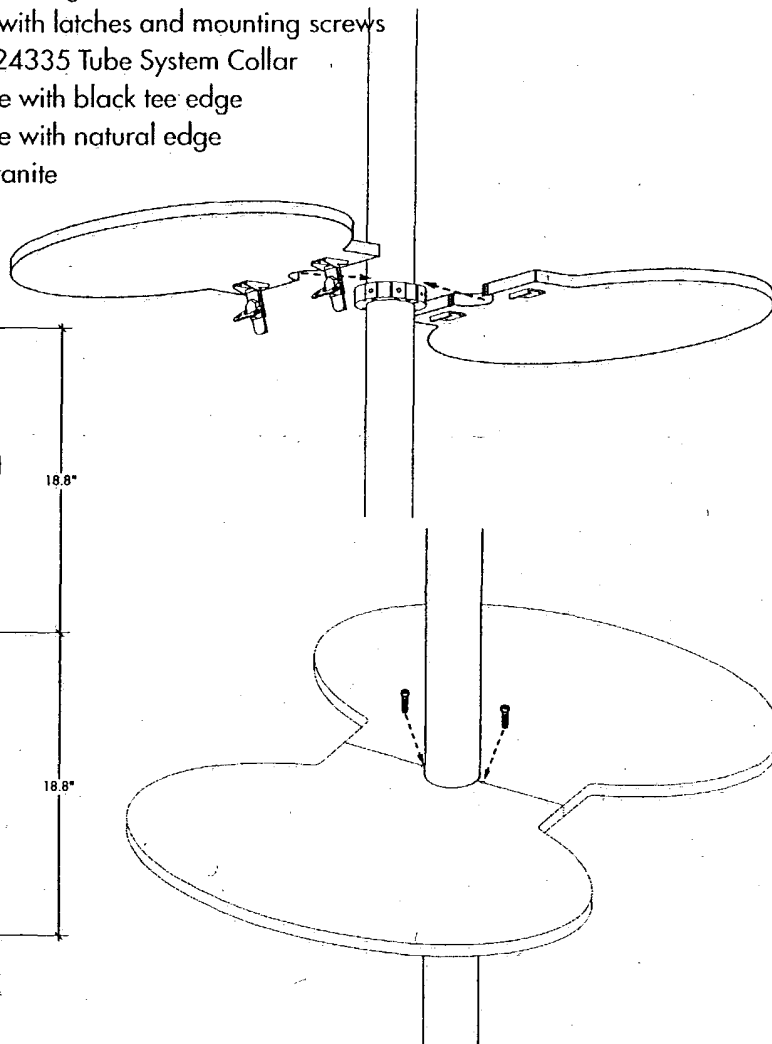
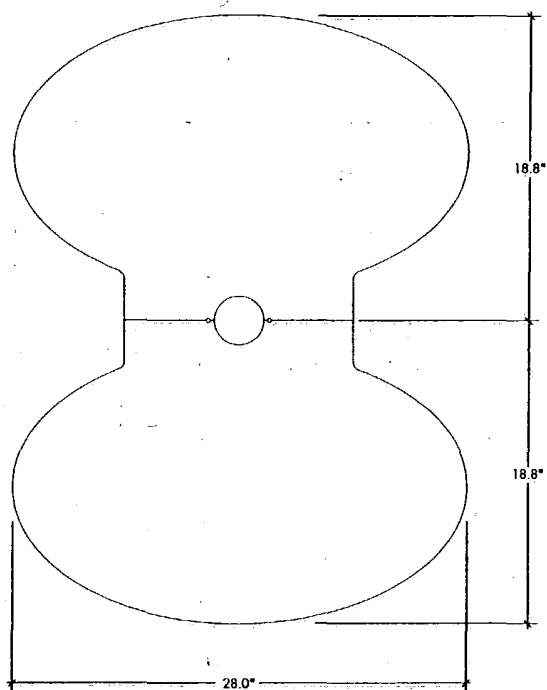
Note: Kit does not include 24335 Tube System Collar

Available in: -001 Laminate with black tee edge

-002 Laminate with natural edge

-003 MDF Granite

Wt: 13.00 lbs 5.90 kg



### 24603-XXX Round Counter Package

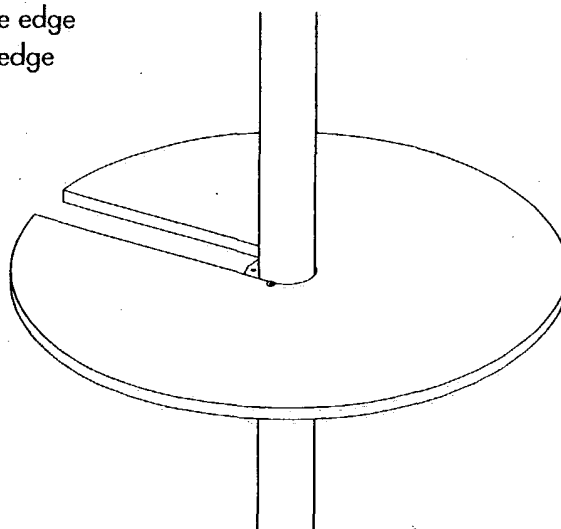
Note: Kit does not include 24335 Tube System Collar

Available in: -001 Laminate with black tee edge

-002 Laminate with natural edge

-003 MDF Granite

Wt: 13.00 lb 5.90 kg



# TUBE SYSTEM

## ACCESSORIES

### 24604-XXX Single Keyboard Counter Package

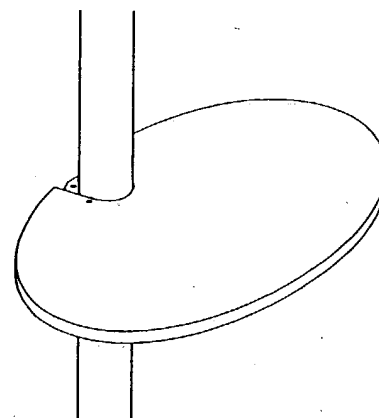
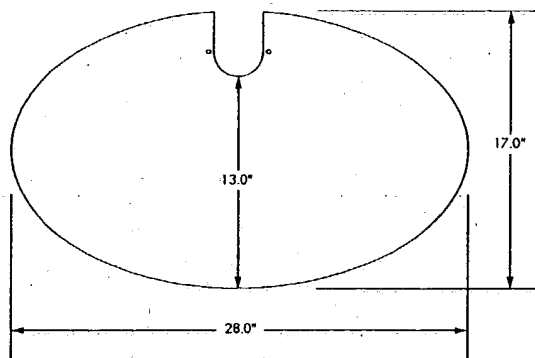
Note: Kit does not include 24335 Tube System Collar

Available in: -001 Laminate with black tee edge

-002 Laminate with natural edge

-003 MDF Granite

Wt: 8.30 lb 3.76 kg



### 24360-XXX CPU Cabinet

Includes Cabinet assembly and mounting wingnut.

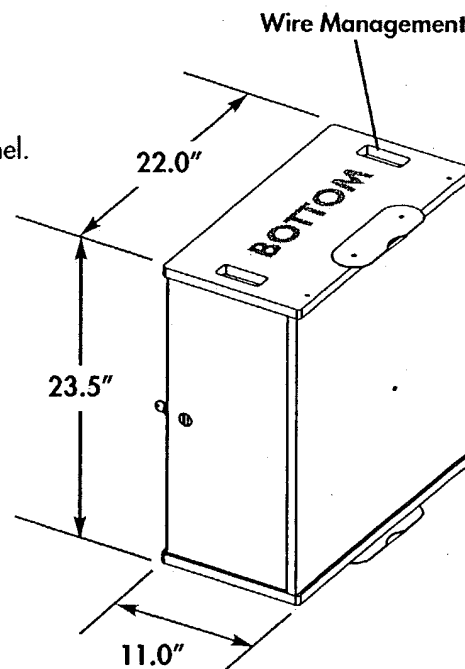
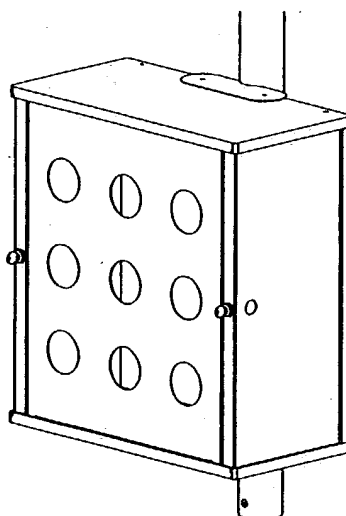
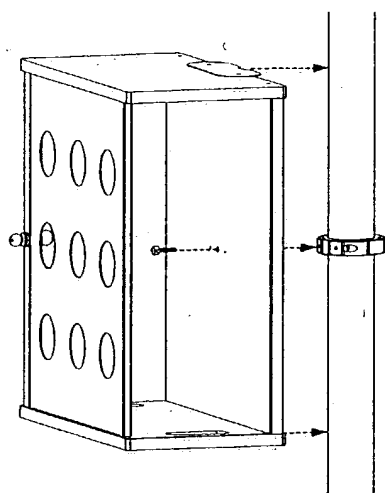
Kit does include 24335 Tube System Collar.

Top, bottom and back panels are wood grain finish.

Cabinet has wire management hole in the bottom panel.

Cabinet front panel and side sliding doors are available in -006 Textured Silver

Wt: 35.00 lbs 15.88 kg



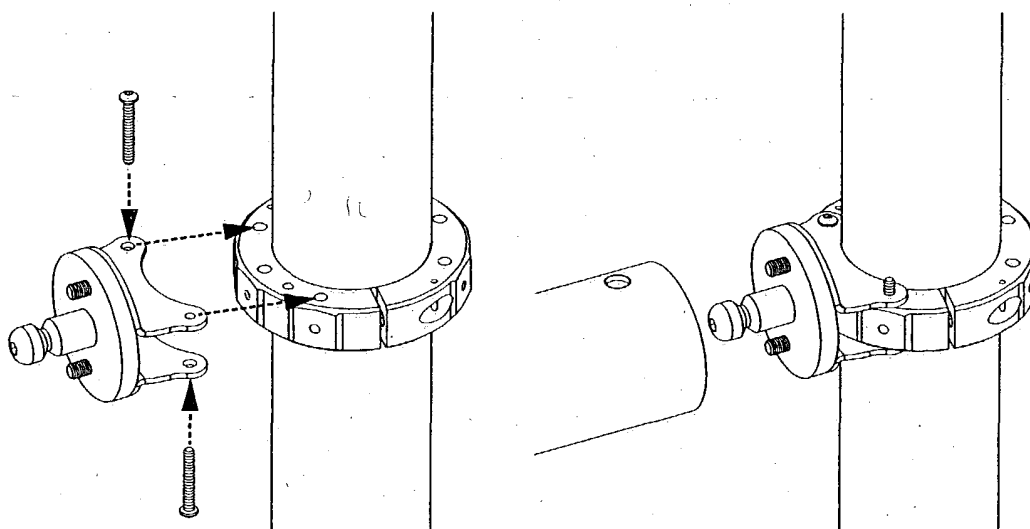
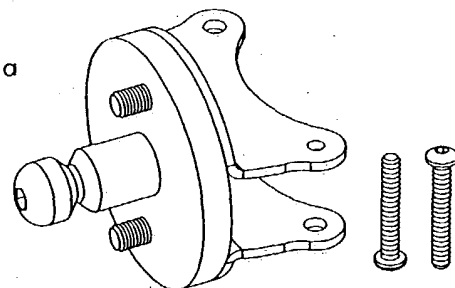
For Color Options see page 17-1

### 24605-XXX Collar to Tube Connector Package

Used with a tube collar to provide an anchor to mount a perpendicular tube (or tubes) at virtually any point.

Note: Does not include 24335 Tube System Collar

Wt: 0.50 lb 0.23 kg



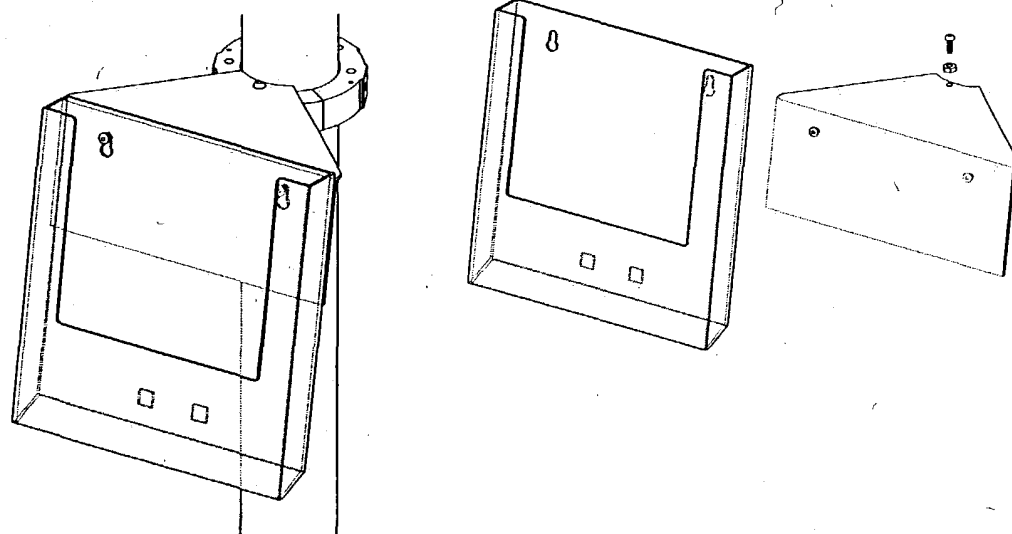
### 24460-XXX Literature Rack Kit - 8.5" x 11" (21.59 cm x 27.94 cm)

Includes: Literature Holder, Mounting Plate Assembly, and mounting screw with nut.

Collar can hold up to four Literature Racks.

Note: Kit does not include 24335 Tube System Collar.

Wt: 2.00 lbs 0.91 kg





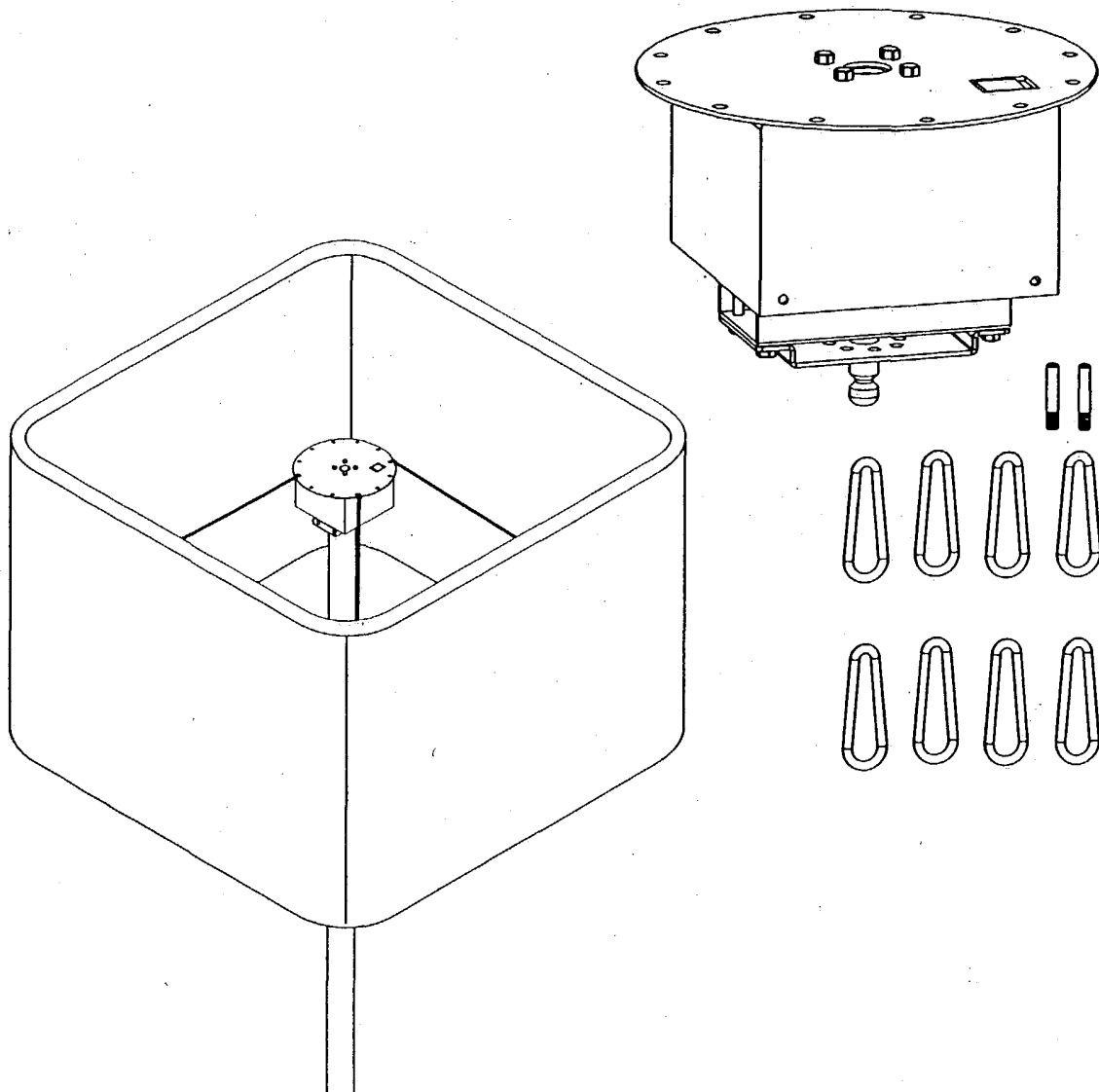
### FABRIC STRUCTURE MOUNTING HARDWARE

#### 24516-110 Fabric Structure 1 RPM Motor and Mounting Kit for Tubes

Includes: Motor assembly (110 volt), turntable mounting plate (black), motor mounting bracket (black), indexing and connecting pins, and 8 spring clips  
Wt: 26.00 lbs 11.79 kg

#### 24516-220 Fabric Structure 1 RPM Motor and Mounting Kit for Tubes

Includes: Motor assembly (220 volt), turntable mounting plate (black), motor mounting bracket (black), indexing and connecting pins, and 8 spring clips  
Wt: 26.00 lbs 11.79 kg



# TUBE SYSTEM

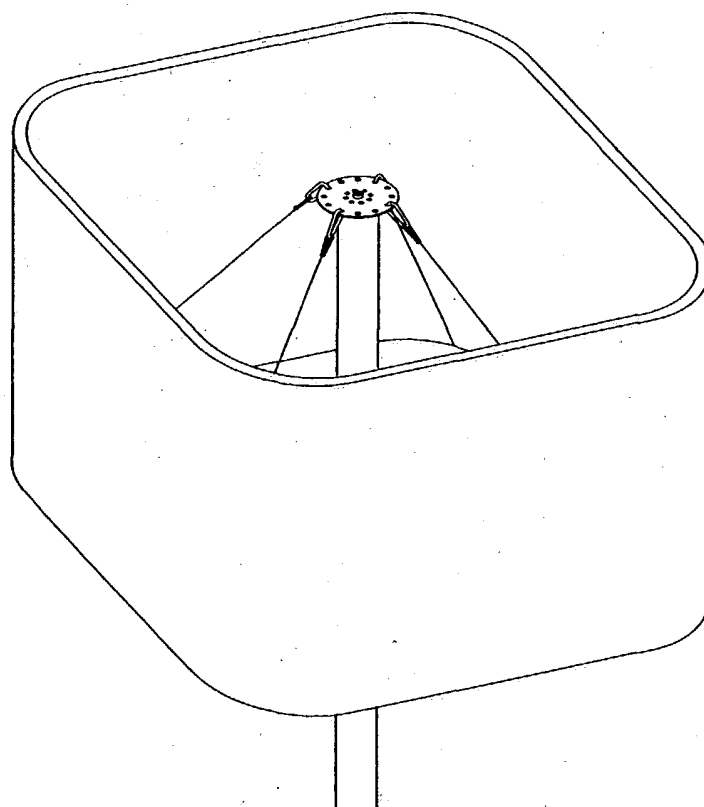
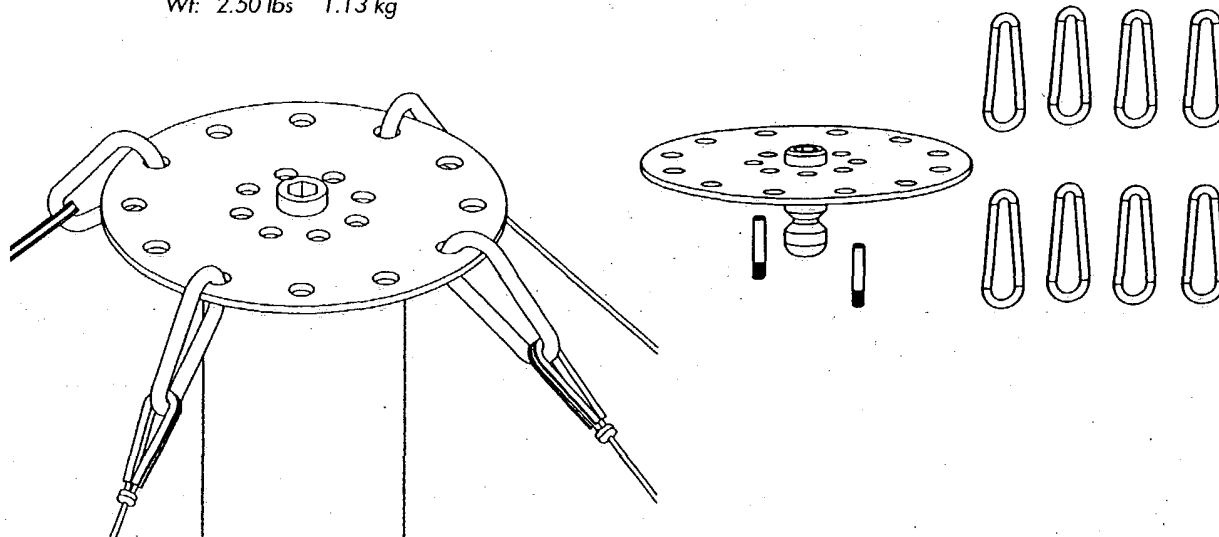
## COMPONENTS

For Color Options see page 17-1

### 24518-004 Fabric Structure Mounting Plate

Includes: Mounting plate, indexing and connecting pins, and 8 spring clips

Wt: 2.50 lbs 1.13 kg



# TUBE SYSTEM

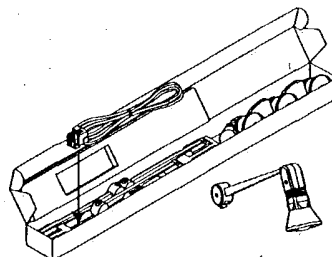
## ACCESSORIES

### LIGHTING - U.S.

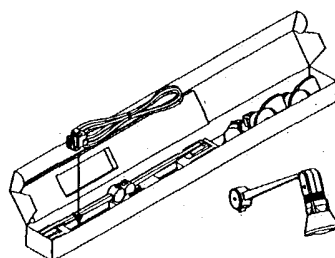
#### SkyTrak™

Packages include corresponding number of fixtures, shades, bulbs, clips, and 1 cord.

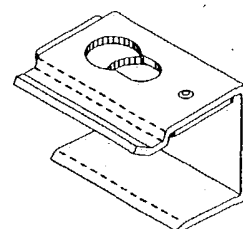
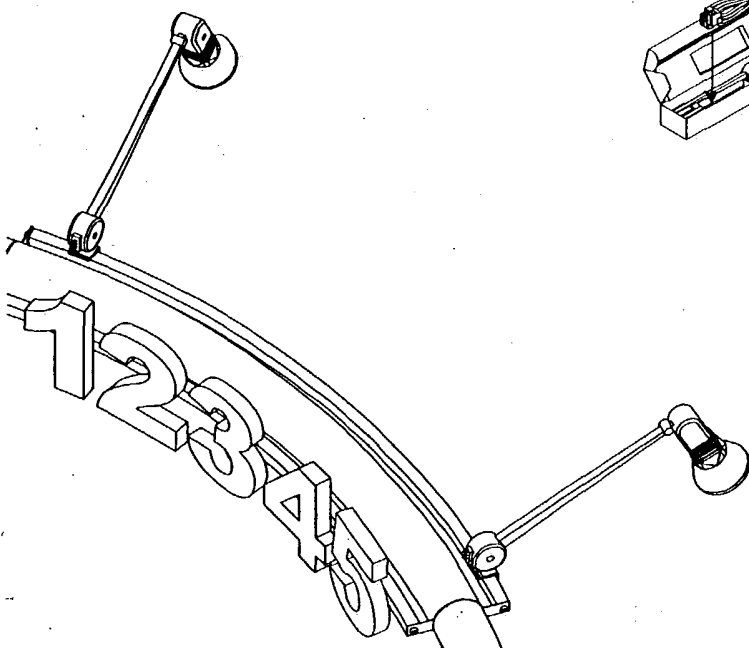
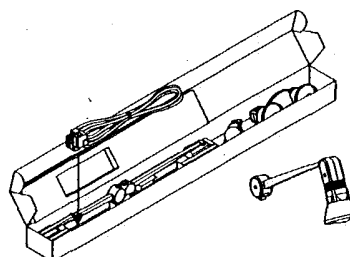
20511-110 Black 5-light package  
Wt: 6.00 lbs 2.72 kg



20513-110 Black 4-light package  
Wt: 5.40 lbs 2.45 kg



20515-110 Black 3-light package  
Wt: 3.75 lbs 1.70 kg



SkyTruss™ Light  
Clip 20394

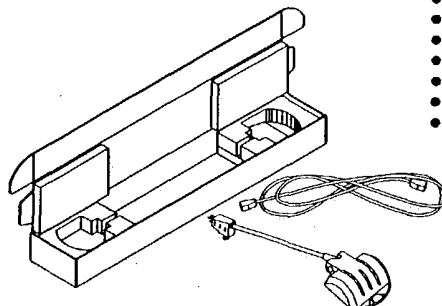
# TUBE SYSTEM

## ACCESSORIES

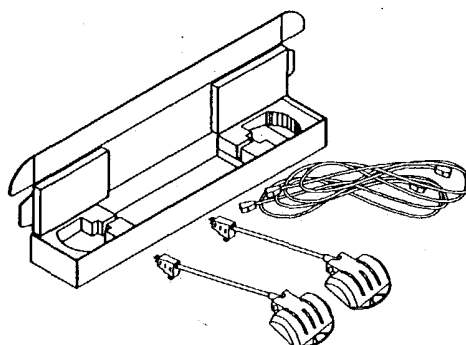
### Halogen

Packages include corresponding number of fixtures, shades, bulbs, clips, and 1 cord.

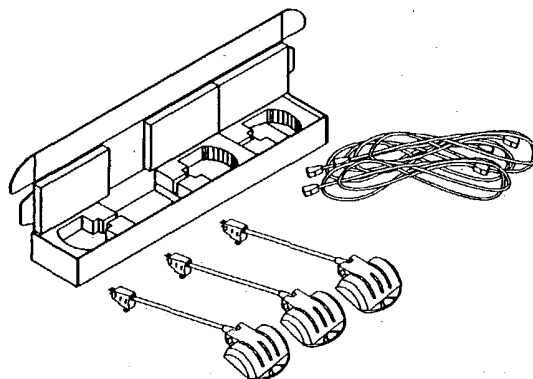
20517-110 Halogen 1-light package  
Wt: 3.60 lbs 1.63 kg



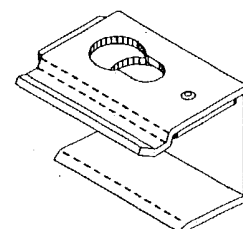
20518-110 Halogen 2-light package  
Wt: 3.75 lbs 1.70 kg



20519-110 Halogen 3-light package  
Wt: 4.50 lbs 2.04 kg



Note: All "stem type" halogen lights including Skyline UL listed Halogen Lights have been banned from the Las Vegas Convention Center.



SkyTruss™ Light  
Clip 20394

# TUBE SYSTEM

## ACCESSORIES

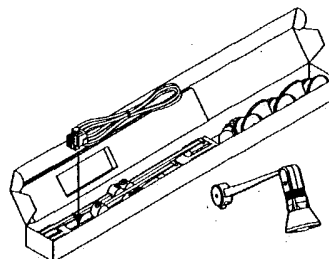
### LIGHTING - INTERNATIONAL

All orders with international lighting must include at least 1 international plug option!

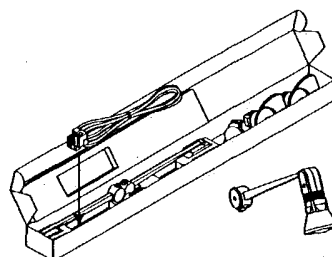
#### SkyTrak™

Packages include corresponding number of fixtures, shades, bulbs, clips, and 1 cord.

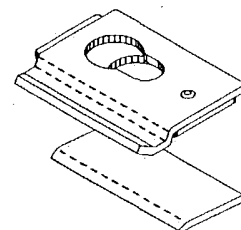
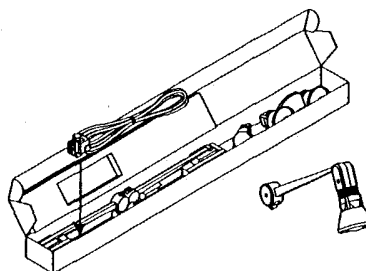
20511-220 Black 5-light package  
Wt: 6.00 lbs 2.72 kg



20513-220 Black 4-light package  
Wt: 5.40 lbs 2.45 kg



20515-220 Black 3-light package  
Wt: 3.75 lbs 1.70 kg



SkyTruss™ Light  
Clip 20394

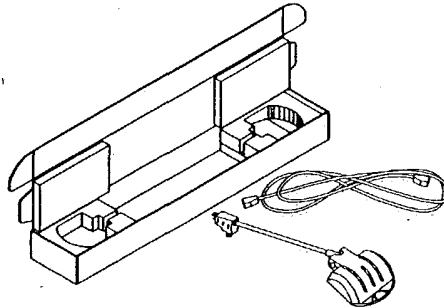
# TUBE SYSTEM

## ACCESSORIES

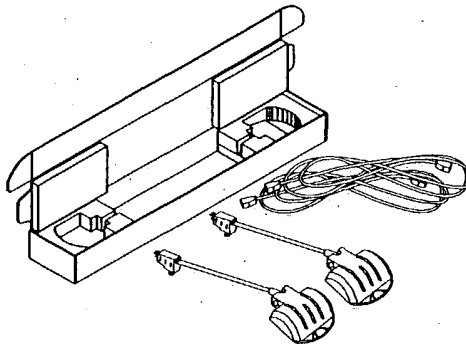
### Halogen

Packages include corresponding number of fixtures, shades, bulbs, clips, and 1 cord.

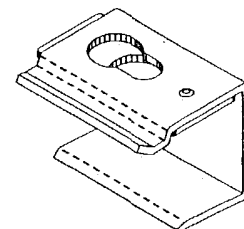
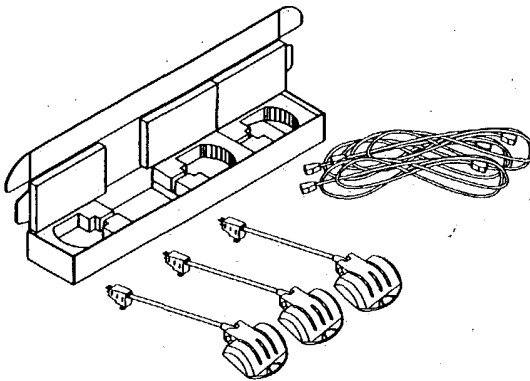
20517-220 Halogen 1-light package  
Wt: 3.60 lbs 1.63 kg



20518-220 Halogen 2-light package  
Wt: 3.75 lbs 1.70 kg



20519-220 Halogen 3-light package  
Wt: 4.50 lbs 2.04 kg

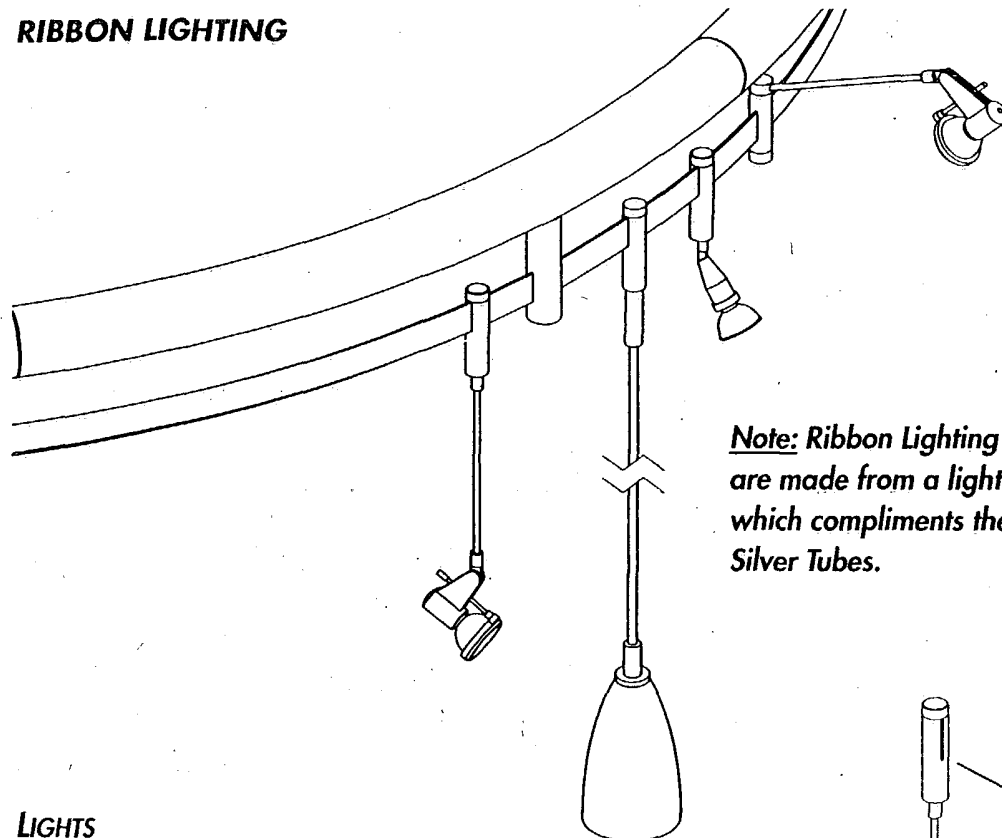


SkyTruss™ Light  
Clip 20394

# TUBE SYSTEM

## ACCESSORIES

### RIBBON LIGHTING



*Note: Ribbon Lighting components are made from a light grey material which compliments the -006 Textured Silver Tubes.*

### LIGHTS

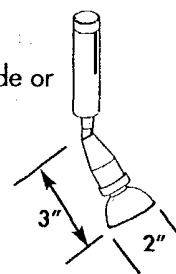
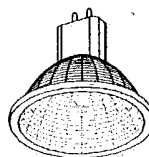
23949 Pendant Ribbon Light - 50 watts Maximum  
Wt: 0.40 lbs 0.18 kg

23950 Gallery Ribbon Light - 50 watts Maximum  
Wt: 0.30 lbs 0.14 kg

23951 Universal Ribbon Light without shade - Maximum 50 watt bulb without a shade or 35 watts with an optional scoop shade  
Wt: 0.30 lbs 0.14 kg

19396 50 Watt, Halogen Replacement Bulb (MR16)  
Wt: 0.01 lbs 0.005 kg

24552 35 Watt, Halogen Replacement Bulb (MR16)  
Wt: 0.10 lbs 0.05 kg



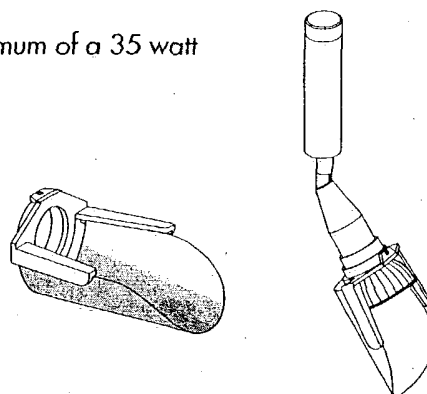
### SHADES

**Note:** Pendant and Universal lights are limited to a maximum of a 35 watt bulb when using a shade.

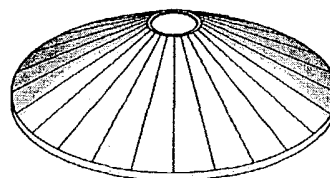
23952 Scoop Shade for Ribbon Light, White  
Wt: 0.10 lbs 0.05 kg

23953 Scoop Shade for Ribbon Light, Blue  
Wt: 0.10 lbs 0.05 kg

23954 Scoop Shade for Ribbon Light, Yellow  
Wt: 0.10 lbs 0.05 kg



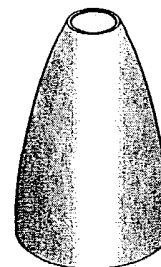
23957 Flat Cone-shaped, Glass Shade for Ribbon Light, White  
Wt: 1.20 lbs 0.54 kg



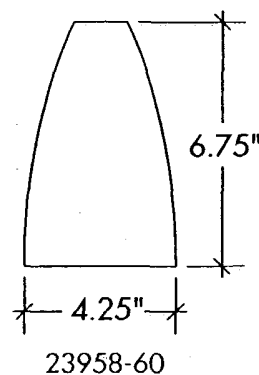
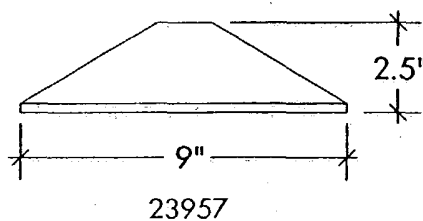
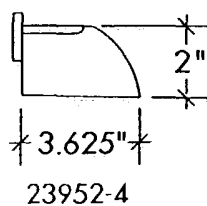
23958 Flute-shaped, Glass Shade for Ribbon Light, White  
Wt: 1.20 lbs 0.54 kg

23959 Flute-shaped, Glass Shade for Ribbon Light, Blue  
Wt: 1.20 lbs 0.54 kg

23960 Flute-shaped, Glass Shade for Ribbon Light, Yellow  
Wt: 1.20 lbs 0.54 kg



### Shade Dimensions:





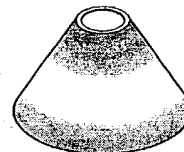
### SHADES

**Note:** Pendant and Universal lights are limited to a maximum of a 35 watt bulb when using a shade.

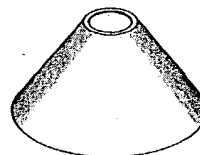
23983 Cone-shaped, Glass Shade for Ribbon Light, White  
Wt: 1.20 lbs 0.54 kg

23984 Cone-shaped, Glass Shade for Ribbon Light, Blue  
Wt: 1.20 lbs 0.54 kg

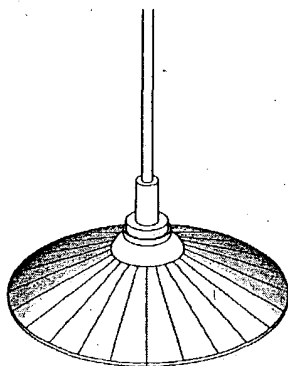
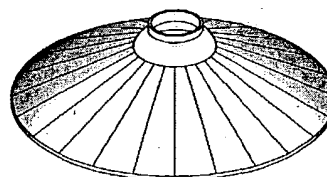
23985 Cone-shaped, Glass Shade for Ribbon Light, Yellow  
Wt: 1.20 lbs 0.54 kg



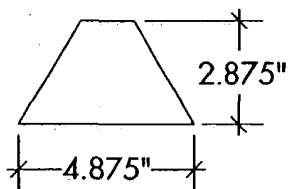
23985 Cone-shaped, Metal Shade for Ribbon Light, Silver  
Wt: 0.4 lbs 0.18 kg



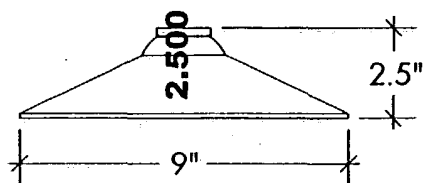
24035 Hi-Tech Flat Cone-shaped Shade for Ribbon Light  
Wt: 0.4 lbs 0.18 kg



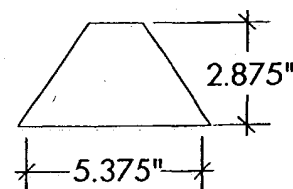
### Shade Dimensions:



23983-5



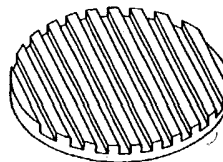
24035



24035

### LIGHT LENSES

- 23972 Ribbon Light Beam Spreader  
Spreads the light beam into an oval pattern  
Wt: 0.01 lbs 0.005 kg



- 23973 Ribbon Light Filter, Red  
Wt: 0.01 lbs 0.005 kg

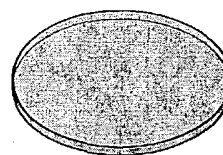
- 23974 Ribbon Light Filter, Green  
Wt: 0.01 lbs 0.005 kg

- 23975 Ribbon Light Filter, Blue  
Wt: 0.01 lbs 0.005 kg

- 23976 Ribbon Light Filter, Yellow  
Wt: 0.01 lbs 0.005 kg

- 23977 Ribbon Light Filter, Magenta  
Wt: 0.01 lbs 0.005 kg

- 23978 Ribbon Light Filter, Cyan  
Wt: 0.01 lbs 0.005 kg



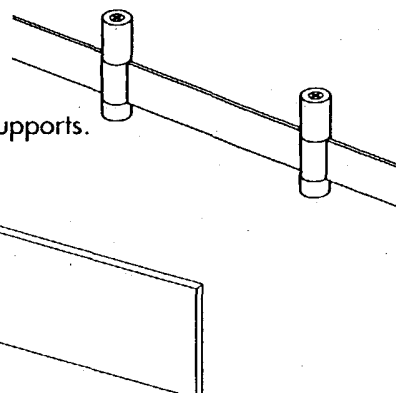
### RIBBON KITS

- 24294 4 foot Track and Support kit for Ribbon Light  
Includes: 4' Ribbon Track and 2 Pendant Stem Mechanical Supports.  
Wt: 0.85 lbs 0.39 kg

- 24295 8 foot Track and Support kit for Ribbon Light  
Includes: 8' Ribbon Track and 3 Pendant Stem Mechanical Supports.  
Wt: 1.30 lbs 0.59 kg

- 23961 4 foot Straight Track for Ribbon Light (Ribbon Track alone)  
Wt: 0.45 lbs 0.20 kg

- 23962 8 foot Straight Track for Ribbon Light (Ribbon Track alone)  
Wt: 0.90 lbs 0.41 kg



### PENDANTS

Pendant Cords include socket housing, cord and adapter.  
The Pendant Cords can be easily shortened as needed.  
Use with any of the Pendant Shades.

23955 4 foot Universal Adjustable Ribbon Light Cord  
Wt: 0.40 lbs 0.18 kg

23956 8 foot Universal Adjustable Ribbon Light Cord  
Wt: 0.80 lbs 0.36 kg

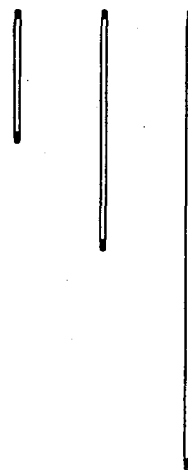


Pendant Stems are metal tubes threaded at both ends. Used with the 24148 Female Adapter to hang the ribbon track from tubes, SkyTruss, or soffits.

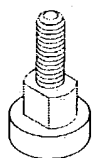
23968 1 foot Support Extension for Ribbon Light  
Wt: 0.23 lbs 0.10 kg

23969 2 foot Support Extension for Ribbon Light  
Wt: 0.45 lbs 0.20 kg

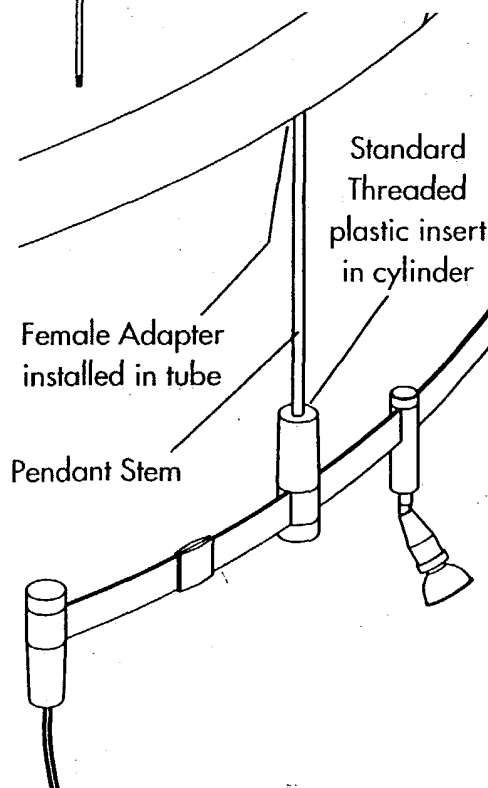
23970 4 foot Support Extension for Ribbon Light  
Wt: 0.90 lbs 0.41 kg



24147 Ribbon Light Male Adapter  
Replaces the Threaded Plastic Insert which is standard in the support cylinders, and allows the cylinder to attach directly to an insert in a tube, tube collar, SkyTruss, or soffit.  
Wt: 0.03 lbs 0.01 kg



24148 Ribbon Light Female Adapter  
Used with Pendant Stems  
Wt: 0.06 lbs 0.03 kg



# TUBE SYSTEM

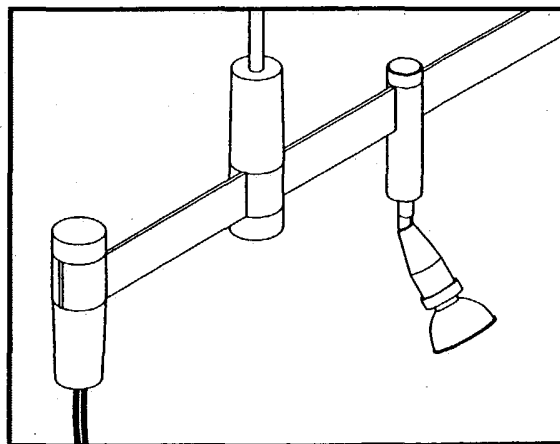
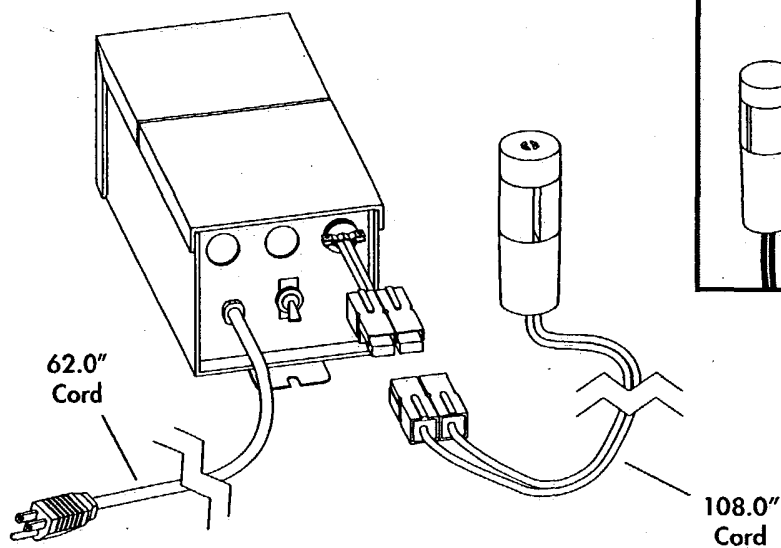
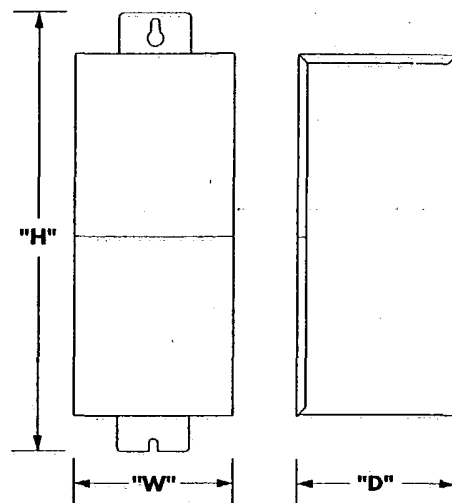
## ACCESSORIES

### POWER KITS

24288 150 Watt Transformer for Ribbon Lights  
 Sufficient to power: Three 50 watt bulbs or  
 Four 35 watt bulbs  
 W = 3.63 in D = 4.25 in H = 10.00 in  
 W = 9.21 cm D = 10.80 cm H = 25.40 cm  
 Wt: 4.00 lbs 1.81 kg

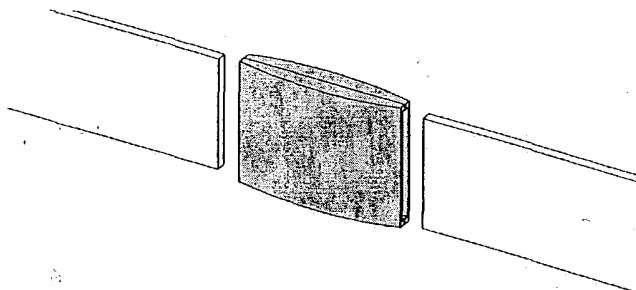
24289 300 Watt Transformer for Ribbon Lights  
 Sufficient to power: Six 50 watt bulbs or  
 Eight 35 watt bulbs  
 W = 4.38 in D = 5.13 in H = 10.63 in  
 W = 11.11 cm D = 13.02 cm H = 26.99 cm  
 Wt: 8.76 lbs 3.97 kg

24290 600 Watt Transformer for Ribbon Lights  
 Sufficient to power: Two - Six 50 watt bulb circuits  
 Two - Eight 35 watt bulb circuits  
 W = 5.38 in D = 5.13 in H = 11.38 in  
 W = 13.65 cm D = 13.02 cm H = 28.89 cm  
 Wt: 15.75 lbs 7.14 kg



### RIBBON CONNECTORS

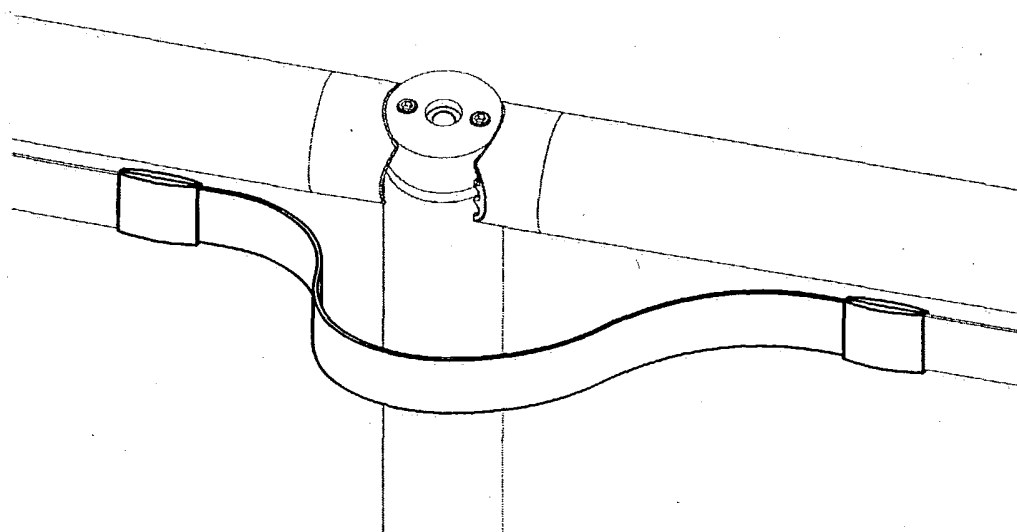
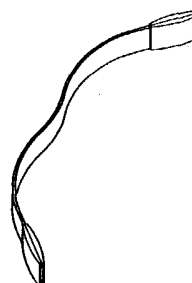
- 23963 Ribbon Track Connector  
Electrically connects two ribbons  
Wt: 0.15 lbs 0.07 kg



- 24300 180 Degree Ribbon Track Bridge Kit  
Electrically connects two ribbons  
Includes: one 180° Bridge Ribbon and two Connectors

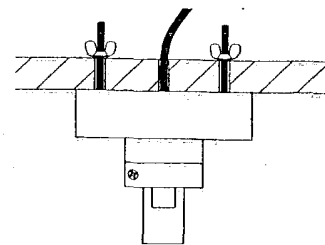
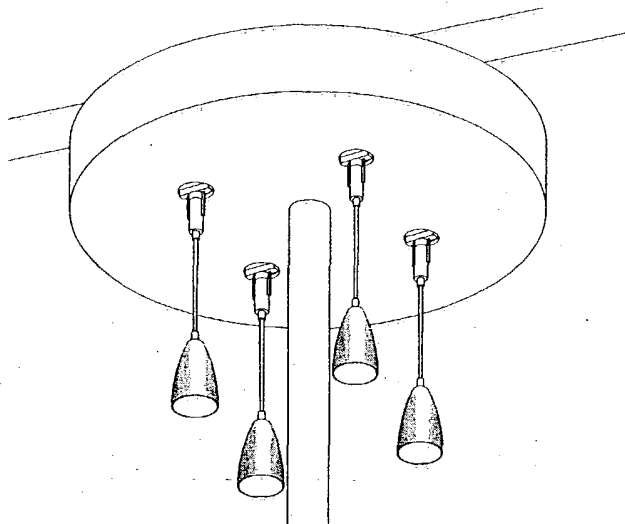


- 24301 90 Degree Ribbon Track Bridge Kit  
Electrically connects two ribbons  
Includes: one 90° Bridge Ribbon and two Connectors



# TUBE SYSTEM

## ACCESSORIES



Monopoint Base can be mounted directly to a ceiling with the included screws and wingnuts

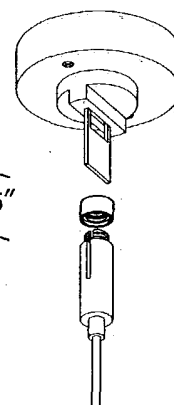
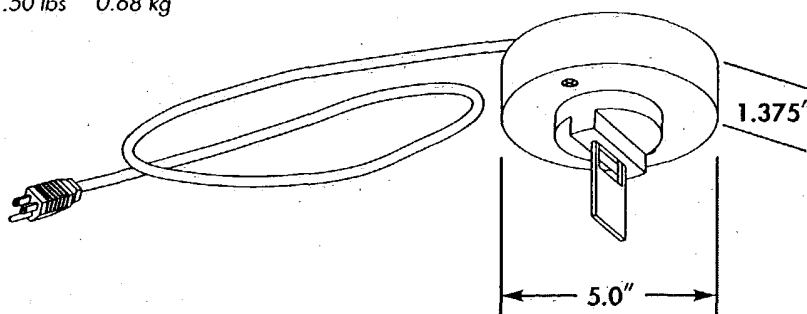
### Monopoint Lights

24283

Monopoint Base for Pendant Ribbon Light

A powered base that allows the mounting of a Ribbon Pendant Light to a ceiling or a Pendant or Universal light to a ceiling or wall.

Wt: 1.50 lbs 0.68 kg



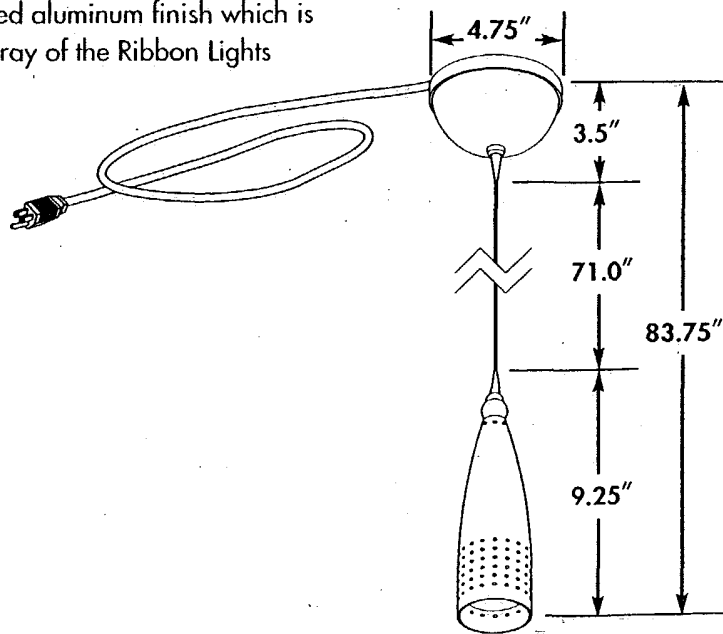
24284

Monopoint Pendant Light for 50 watt Halogen MR16 bulb (included)

A powered base for mounting to a ceiling.

Note: Light fixture has a brushed aluminum finish which is more "metallic" than the light gray of the Ribbon Lights

Wt: 1.75 lbs 0.79 kg



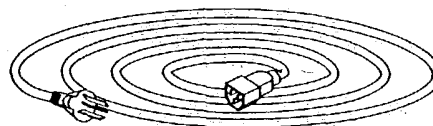
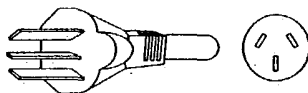
# TUBE SYSTEM

## ACCESSORIES

### INTERNATIONAL PLUG OPTIONS - 8' Extension Cord

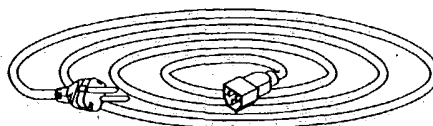
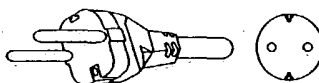
11219

Australia  
Single outlet - **black**.



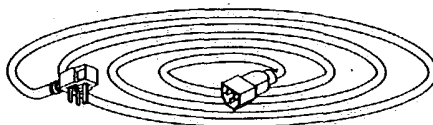
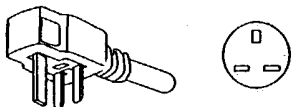
11220

Europe  
Single outlet - **black**.



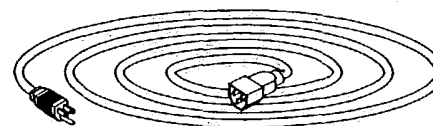
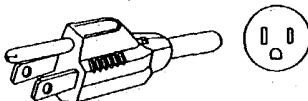
11221

United Kingdom  
Single outlet - **black**.



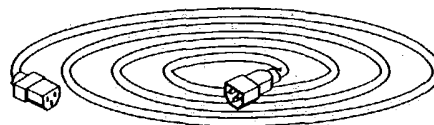
11222

United States  
Single outlet - **black**.



15459

International 8' extension cord  
Single outlet - **black**.



### EXTENSION CORDS - US Plug

24577

4 foot 14 gauge Extension Cord Single outlet - **black**.

24580

4 foot 14 gauge Extension Cord Single outlet - **silver**.

2754

8 foot 14 gauge Extension Cord Single outlet - **black**.

24534

8 foot 14 gauge Extension Cord Single outlet - **silver**.

24579

15 foot 14 gauge Extension Cord Single outlet - **black**.

24535

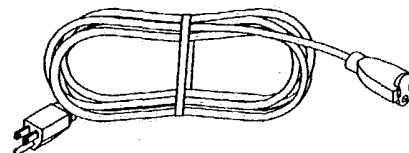
15 foot 14 gauge Extension Cord Single outlet - **silver**.

22854

25 foot 14 gauge Extension Cord Single outlet - **black**.

24581

25 foot 14 gauge Extension Cord Single outlet - **silver**.



# TUBE SYSTEM

## ACCESSORIES

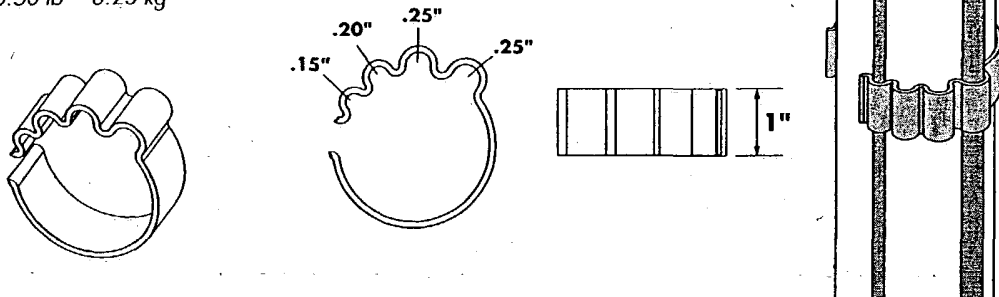
### WIRE MANAGEMENT

Also see *Wire Management Tubes* page 17-5

24611-006 Cable Clip - Silver

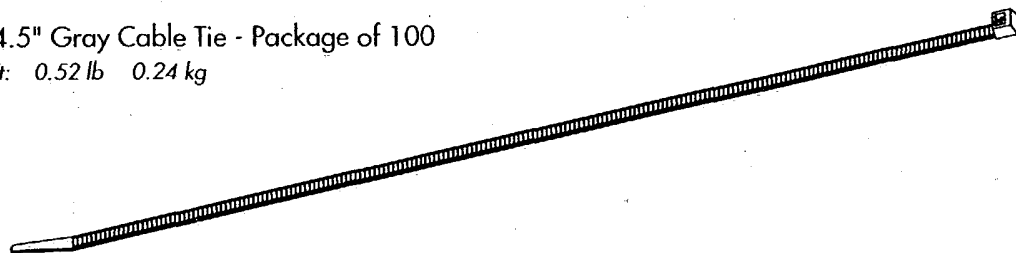
Snaps over tube. Will hold up to four cords of three different sizes.

Wt: 0.50 lb 0.23 kg



24602 14.5" Gray Cable Tie - Package of 100

Wt: 0.52 lb 0.24 kg



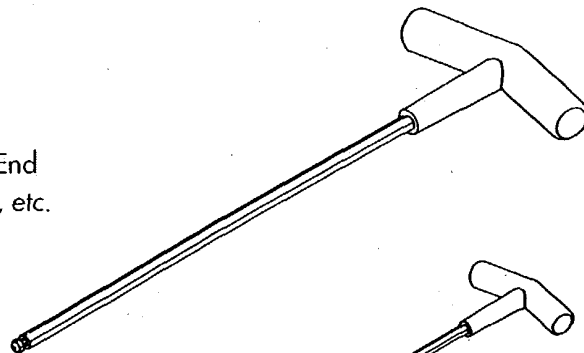


# TUBE SYSTEM

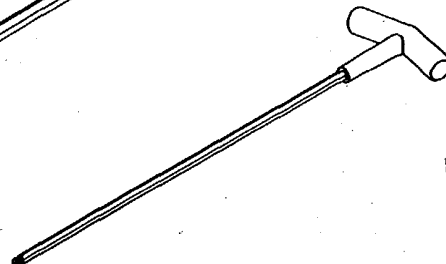
## ACCESSORIES

### TOOLS

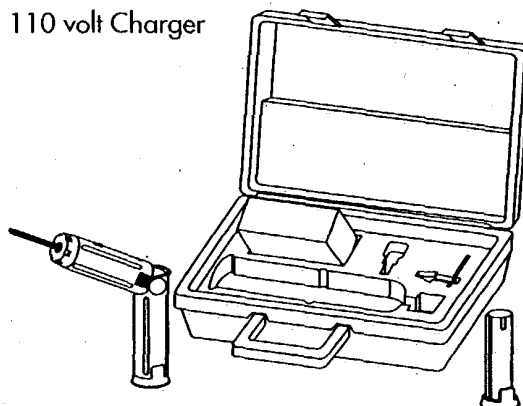
- 23785 1/4 inch T-handle Hex Wrench with a Ball End  
For tube set screws, connectors pins, collars, etc.



- 19999 5/32 inch T-handle Hex Wrench with a Ball End  
For Indexing Pins



- 21868 Cordless Screw Gun Kit - 110 volt Charger



- 21869 Hex Bit, Ball Point, 5/32" x 1"  
For use in Screw Gun

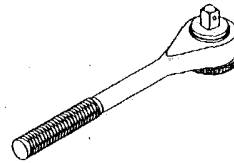
- 21870 Hex Bit, Ball Point, 5/32" x 3"  
For use in Screw Gun



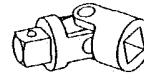
## TUBE SYSTEM

## ACCESSORIES

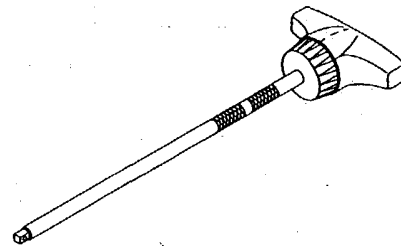
21862 1/4" Ratchet Drive



21863 1/4" Universal Joint



21864 1/4" T-Handle Ratcheting Tool  
1/4" x 10"



21865 Hex Bit for Square Drive  
1/4" x 5/32"



21866 Hex Bit Insert - Replacement for  
Square Drive 5/32" x 1 7/8"



21867 Allen Wrench - 5/32" Ball End  
"L" Shaped



### SHIPPING

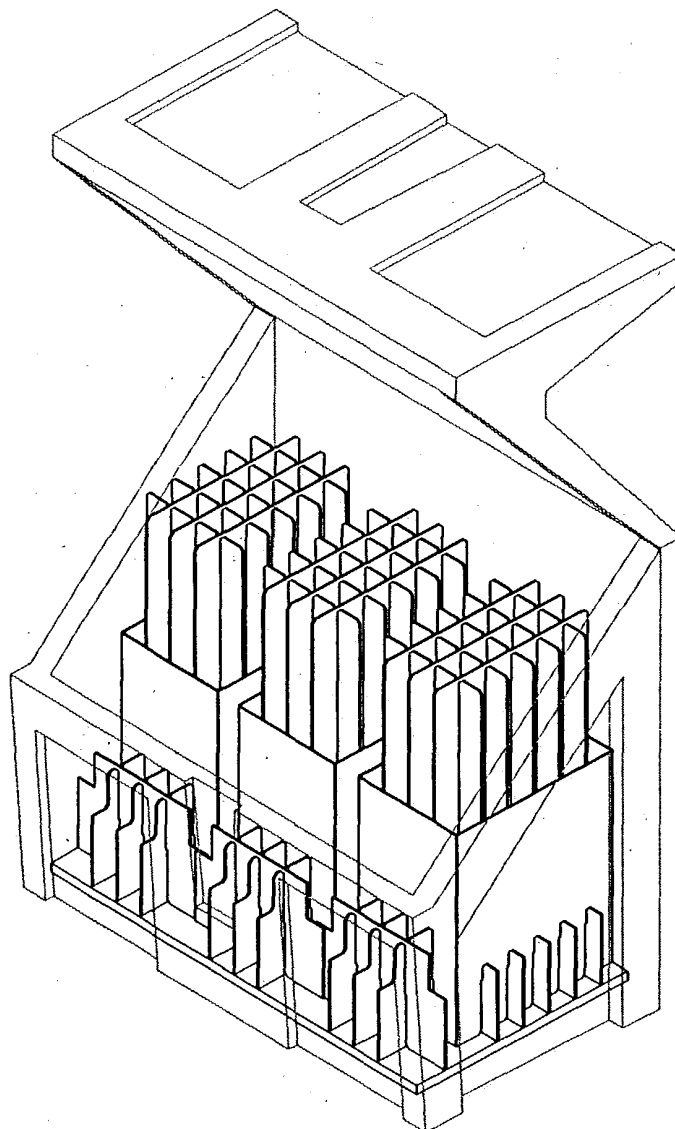
24327

Exhibit Crate 24 with Tube Packaging System

Will hold up to 72 Straight Tubes or up to 60 Curved Tubes with additional space for 6 short tubes and accessory boxes. Includes floor reinforcement, pads, straps, and 3 packing boxes for hubs and collars.

Weight of Crate with Packing Materials: 220.0 lbs 99.89 kg

Recommended Shipping Gross Weight: 1,000 lbs 453.59 kg



## TUBE SYSTEM

## ACCESSORIES

22542

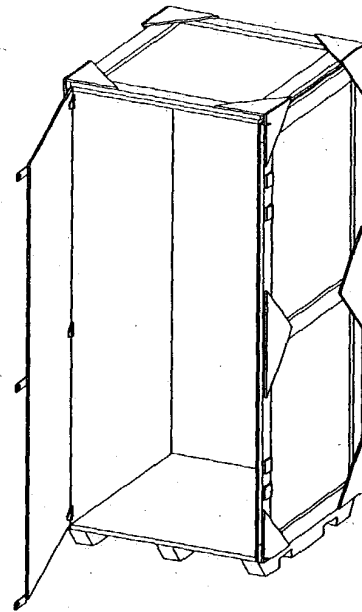
4' x 8' Vertical Crate

Internal Fittings (straps, racks, etc.) will be customized for each order.

Inside Dimensions: 44" wide x 48" deep x 94" high.

Weight with no Internal Fittings: 300 lbs 136.08 kg

Weight with Internal Fittings: 330 lbs 149.69 kg



24384

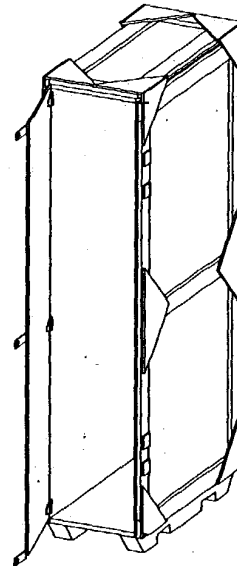
2' x 4' x 8' Vertical Crate

Internal Fittings (straps, racks, etc.) will be customized for each order.

Inside Dimensions: 22" wide x 48" deep x 94" high

Weight with no Internal Fittings: 250 lbs 113.40 kg

Weight with Internal Fittings: 290 lbs 131.54 kg



3355 DISCOVERY ROAD, EAGAN, MINNESOTA 55121-2098 USA

**SKYLINE DISPLAYS, INC.**, a Minnesota corporation (**SKYLINE**), hereby warrants, as set forth below, its **Tube System** display in two parts: hardware (Hardware) and lights (Lights). Hardware represents the frame, connectors, and shelves. Lights represent the light fixtures (not bulbs). This Limited Warranty set forth below does not apply to any photomural panels or graphic materials supplied by **SKYLINE**.

#### **TUBE SYSTEM HARDWARE WARRANTY**

**SKYLINE** warrants the **Tube System** Hardware for a period of one (1) year and the **Tube System** Lights for a period of two (2) years from the date of shipment. The warranty provides that they will be free from defects in material or workmanship for the period stated. Defects will be determined solely by **SKYLINE** and not by any representative, distributor, or dealer of, or for **SKYLINE**. Upon determination of defect, the sole obligation of **SKYLINE** will be to repair or replace defective part.

*The conditions of the Limited Warranty are: (1) the **Tube System** Hardware or Lights shall have been subject to only normal use and service and shall not have been misused, neglected, altered or otherwise damaged, and (2) there shall be no evidence of tampering or deliberate destruction.*

No representative, distributor, or dealer of, or for **SKYLINE** is authorized to assume for **SKYLINE** any other obligations or liabilities in connection with the **Tube System** Hardware or Lights, or alter the terms of this Limited Warranty in any way. This Limited Warranty is limited to the express provisions contained herein and does not extend to the liability for labor cost incurred in replacing defective parts.

Authorization to return any alleged defective part must be obtained from **SKYLINE** before the alleged defective part is returned. All shipping and transportation charges must be prepaid by the buyer. **SKYLINE** will not accept charges for parts purchased unless the conditions of this Limited Warranty have been satisfied.

THIS WARRANTY IS IN LIEU OF ALL OTHER WARRANTIES, EXPRESS OR IMPLIED AND THE WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE HEREBY EXCLUDED BEYOND THE ONE YEAR FOR HARDWARE AND TWO YEARS FOR LIGHTS DURATION OF THIS WARRANTY. Some states do not allow limitations on how long an implied warranty lasts, so the above limitations may not apply to you. **SKYLINE DISPLAYS, INC.** SHALL NOT BE LIABLE FOR DAMAGES, INCLUDING SPECIAL, INCIDENTAL OR CONSEQUENTIAL DAMAGES OUT OF OR IN CONNECTION WITH THE PERFORMANCE OF THIS **Tube System** OR ITS USE BY THE OWNER.

**SKYLINE'S** liability is limited exclusively to repair or replacement of the defective part. Credit will be issued if defective part is returned qualifying for the replacement pursuant to the terms and conditions of this Limited Warranty. Parts can also be obtained from local **SKYLINE DISPLAYS, INC.** Distributor.

**Tube System** is a trademark of Skyline Displays, Inc.  
Tube System patents pending

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